

United States Department of the Interior





Back Bay National Wildlife Refuge 4005 Sandpiper Road Virginia Beach, VA 23456-0286

NESTING LOGGERHEAD SEA TURTLE ACTIVITY REPORT 1999

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> Prepared for Department of the Army U.S. Army Corps of Engineers Norfolk, VA



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NESTING LOGGERHEAD SEA TURTLE ACTIVITY AT THE BACK BAY NATIONAL WILDLIFE REFUGE - 1999

ABSTRACT

This paper presents results from the seventh annual study (using Army Corp of Engineers funds;) of nesting along the Atlantic Ocean coastline by the loggerhead sea turtle (Caretta caretta) in Virginia Beach, Virginia during 1999. All surveys were carried out by staff of the Back Bay National Wildlife Refuge, Virginia Beach, Virginia, throughout the sea turtle nesting season. Two seasonal, full-time biological technicians were hired through funding support from the U.S. Army Corps of Engineers, Norfolk, Virginia, to search twenty-five miles of beach along the northern periphery of the nesting range of the Loggerhead. Refuge biologists investigated nine nesting attempts during 1999. Of the nine nesting attempts, only two were actual nests. Seven were false crawls; of which four were unsuccessful nesting attempts. One nest (134 eggs) was located on Back Bay National Wildlife Refuge and one (92 eggs) in False Cape State Park. One false crawl was found in False Cape State Park and six false crawls were found on Back Bay National Wildlife Refuge from .2 to 2.2 miles south of the refuge's beach access ramp. No nests were located along the oceanfront of the Virginia Beach Resort area this year. An additional three mile section of Fort Story was patrolled this year; thereby covering all of the Fort Story beachfront. A Kemps Ridley sea turtle, a juvenile bottlenose dolphin, and several loggerheads were found on this section of Fort Story's beach. Patrols should therefore continue on this three mile section of beach. Night-time patrols were carried out by numerous volunteers and Refuge personnel during July 5-10, July 17-21, July 25-31, August 8-13, and August 22-25; however, no nesting loggerhead sea turtles were observed or captured. Of the two nests, 98% (131/134) and 96% (88/92) of the eggs hatched out. All hatchlings were released upon emergence by on-site staff; except for four (from Nest #1), which were donated to the Virginia Marine Science Museum for research purposes.

I. INTRODUCTION

The Atlantic leatherback, the Atlantic loggerhead, the Atlantic green, and the Kemp's Ridley sea turtle are the four sea turtles regularly seen in Virginia waters (Keinath, Musick, and Byles 1987). All of these are listed as either threatened or endangered (50CFR1981). The loggerhead, (*Caretta caretta*) is the only recurrent sea turtle species nesting on beaches of the Atlantic Oceanfront in Virginia Beach. Pollution, exploitation, poor fishing practices, habitat modification, etc. have aided in the loggerhead's decline. Since sea turtles come ashore only to lay eggs (Dodd 1988), nesting provides a rare opportunity to learn about them.

The twenty-five miles of beach searched for loggerhead sea turtle use this year, occurs along the northern extent of the established nesting range for this species in the United States. Loggerhead activity often occurs during the summer in and around the Chesapeake Bay. The Chesapeake Bay serves as a developmental feeding area for immature loggerheads (Lutcavage and Musick 1985; Keinath, Musick and Barnard 1989).

Loggerhead females generally nest on a 2 to 4 year cycle, and lay from one to six nests a season (Ehrhart 1979; Dodd 1988). The renesting interval varies from 12 to 16 days, with an average of 14 days (Frazer 1984; Dodd 1988). Sea turtles generally return to the same area to lay successive clutches of eggs, usually within a 5 km radius of the first nest (Dodd 1988).

For seven successive years, personnel of the Back Bay National Wildlife Refuge have been patrolling the Virginia Beach Resort oceanfront in search of loggerhead sea turtle nests. This has been made possible by funding provided to the Refuge by the U.S. Army Corps of Engineers (the Corps/ACOE), in conjunction with their study of beach replenishment impacts to nesting sea turtles. During the summer of 1993, the first cooperative agreement was established between the Corps and the Refuge. Through this agreement, the Corps also provided funding to the Refuge, to determine the extent of nesting sea turtle use along the Virginia Beach oceanfront. The Refuge then hired and trained seasonal biological technicians to patrol this oceanfront and detect sea turtle crawls and any other nesting signs. Because the loggerhead is a federally listed Threatened species, research on, and management of, its nesting activities has been conducted at the Refuge since 1970. The U.S. Fish and Wildlife Service employs protective measures and also funds research projects that aid in the conservation of this federally threatened species, often in partnership with other federal and state agencies.

During 1999, the Corps initially provided the Refuge with \$18,500 (\$15,000 Labor for 2 Biological Technicians and \$3,500 for Contingent Night-Patrols Labor) for the nesting sea turtle study. An additional \$1,900 was added in May 1999, for expanding the survey route to include the remaining three miles of Fort Story's western beachfront that had not been patrolled in the past. Thirty-eight percent of the funding was absorbed by the Denver Finance Center, for administrative costs; while the remaining sixty-two percent was dedicated to salaries of the two seasonal biological technicians hired to patrol the oceanfront, and additional Refuge staff during "night-time sea turtle patrols." Additional miscellaneous equipment and materials costs, all-

terrain-vehicle repairs and maintenance, gas and oil, and additional support staff for turtle patrols were absorbed by the Refuge budget.

II. MATERIALS AND METHODS

Seasonal biological technicians and permanent Refuge staff logged well over 700 hours managing and collecting information on sea turtle nesting for the 1999 sea turtle nesting season. As during past years, Refuge personnel conducted sea turtle crawl surveys, via all-terrainvehicles (ATVs) on five segments of oceanfront beach. Those beach routes included (from north to south): (1) the Fort Story to Rudee Inlet area, including Croatan Beach (See Figure #1); (2) the Town of Sandbridge; (3) Little Island City Park; (4) Back Bay National Wildlife Refuge; and (5) False Cape State Park. All areas were patrolled on a daily basis, seven days a week. An additional three-mile section of Fort Story beachfront was included this year, at the request of the Corps. An endangered Kemps Ridley sea turtle, a young bottlenose dolphin and several Loggerheads were all found stranded during patrols of this new section of Fort Story beach. The Carova and Corolla oceanfront in North Carolina were not patrolled this year; since Endangered Species Biologist Ruth Boettcher of the North Carolina Wildlife Resources Commission has assumed responsibility for those areas since 1998. They will not be patrolled any longer.

Surveys were conducted by ATV every morning from May 15 through September 10, along beach routes #2-5 above. Patrols along the Fort Story to Rudee Inlet and Croatan Beach route (#1 above) were conducted every morning, starting at 0530 hours (June 1 through August 31); in order to search as much beach as possible before the City of Virginia Beach's "Beachscapers" groomed the Resort beaches, and wiped out crawl signs. Patrols took place above the high tide line while traveling in one direction, and along the water's edge on the return trip.

During April, Refuge biological staff met with Virginia Institute of Marine Science (VIMS) personnel: departing Biologist Soraya Moin-Bartol, Director Dr. Jack Musick and new VIMS Biologist Kate Mansfield, at Back Bay NWR. The meeting hammered out a better understanding, and improved upon past misunderstandings, between Refuge and VIMS personnel, on the conduct and expectations of all involved with Refuge "Night Patrols" and capture attempts of returning Loggerhead females.



<u>Virginia Beach, Virginia Vicinity Map</u> - Showing beach segments surveyed for sea turtle nesting activity during 1999.



June 4, 1999 - <u>Loggerhead Sea Turtle Crawl #1 of 1999</u> - 1.2 miles south of the Refuge Beach Access Ramp

All sea turtle crawls were photographed and documented. Metric tape was used to measure crawl widths at three points where tracks were distinct. An average of the three measurements represented the crawl width of the nesting female. Each "body-pit" periphery was marked with wire flags and then carefully searched and excavated for the egg chamber/nest laid by the loggerhead. When eggs were discovered, they were carefully counted and removed; measurements were taken of the depths to the top and bottom of the egg chamber; and the eggs were then transported in coolers to a protected hatchery site within the sand dunes of Back Bay National Wildlife Refuge. At the hatchery site, the eggs were transferred to a predator proof cage and buried at the same depth as the original nest. Approximately two weeks prior to the expected hatch date, twice daily checks of the relocated nest were carried out, to detect signs of hatching. When a concave depression was detected on the surface of the nest, a refuge staff member was placed on duty from 2100 to 0300 hours to continuously watch for the emergence of hatchlings. This night duty occurred until hatchlings emerged; whereupon, they were released on the adjacent beach and into the surf, usually within an hour after their emergence.

In addition to patrolling for turtle nests, Refuge personnel also collected data on sea turtle strandings in the surveyed areas. Nearly all stranded animals are dead. During 1999, each stranding was measured and examined for trauma and cause of death. This data was sent to the Virginia Institute of Marine Science and the National Marine Fisheries Service. Copies of those



 $\underline{Loggerhead\ Crawl\ \#1}\ \text{-}\ Showing\ Excavation\ of\ "Body\ Pit"\ \text{-}\ No\ Nest\ here.}$



<u>Loggerhead Crawl #2 - Nest #1 Site</u> - June 25, 1999

reports are included in this Report as Appendix 2. (Ref. Section E.- Results and Discussion, and Appendix 2).

III. RESULTS AND DISCUSSION

A. AREA COVERAGE

Over seven hundred hours of sea turtle patrol or sea turtle related hours were logged by trained Refuge personnel. Approximately, 13 miles (including the three new miles on Fort Story) of oceanfront beach were covered from Fort Story to Croatan Beach; and 15 miles from the Dam Neck Naval Facility border in Sandbridge, to the North Carolina border. Area coverage along Sandbridge Beach and one or two portions of Fort Story, varied with high tides, since beach narrowness, bulkheads, beach erosion and high winds made portions of the beach inaccessible by ATV on nearly 50% of all patrol days. On those occasions, Refuge staff would walk out to such areas and view most of the missed area through binoculars.

Patrols of the Sandbridge-Back Bay Refuge-False Cape State Park oceanfront commenced on May 26th. The Fort Story to Rudee Inlet/ Croatan Beach patrols commenced on May 29th. All patrols ended on approximately August 28th. Rather than continue into the first week of September, sea turtle patrols were curtailed early, due to consistent bad weather/storms.

The possibility of undetected nests exists along the Fort Story-Croatan Beach segment; since beach cleaning and "grooming" is conducted by City beach maintenance crews, every morning between 0230 to 0900 hours. This maintenance smooths out Resort beaches, making crawl detection nearly impossible. Although, Refuge beach patrols start at 0530 hours, City workers often have some portions of the Resort beach already groomed by then. To deal with this conflict, Refuge biological staff maintained contact with these City workers on the beach, and hand out information on sea turtle crawl recognition, nesting, and who to contact should they locate a crawl. Their responses have been positive.

A new "turtle-restraining" container was constructed by Back Bay NWR SCEP Student Sara Williams using guidelines provided by Kate Mansfield (VIMS). It consisted of two hinged sections of ½" to 3/4" exterior plywood (permanently joined together with hinges) about 3' high, that forms two sides of the four-sided wooden "box." These two sides are connected together by joining together the two halves of an additional set of hinges, and inserting the hinge pin. This is portable, and when reinforced with strong, tall stakes, contains a turtle well. This was carried in the back of the patrol vehicle during all night patrols,

The first series of night patrols occurred during July 5-10. Word of a nesting loggerhead came from a Refuge permittee (who was at the scene) by telephone call at 0115 hours, on July 7. The turtle had returned to the sea before Refuge staff arrived. This turned out to be Nest #2 for 1999. The second series of night patrols took place from July 17 - July21. No turtle was located but several trespass vehicles were seen on the beach by non-law enforcement volunteers. Night-time patrols during July 25-31 also yielded no turtles; but did result in Refuge staff responding to a call for help at midnight. The night patrol was stuck in soft sand at the Refuge Beach Access

Ramp. All Refuge night-patrols used red lenses over their vehicle lights, to minimize the light disturbance factor on emerging turtles.

Two crawls (#7 and #8 - but no nest) occurred on early Friday morning, July 23d - the one night patrol that Refuge staff felt could be skipped to give everyone a rest. The third series of night patrols occurred during August 8-13; during which a crawl (#9) was again missed on early August 12th. Night patrols again took place during August 22-25 as Refuge staff were awaiting the emergence of hatchlings from Nest #1. Again, no nesting turtles were located.

Normally, night turtle patrols occur 12 to 16 days after a nest is discovered, when the nesting turtle usually returns to nest a second or third time. This year's effort was a major one, with nothing to show for it.

В. **NESTING ACTIVITIES**

Nesting sea turtle surveys of the Fort Story and Resort beaches yielded no sea turtle nests or crawls. The two nests discovered this year, were located on Back Bay N.W.R.(#1) and False Cape State Park (#2).

Nest #1 (Crawl #2) was discovered at 0730 hours on June 25, 1999 by Biological Technician Jason Schatti. Refuge Biologist Lamar Gore and Volunteer/College Intern Shannon Lehrter responded to his call. One hundred and thrity-four (134) eggs were excavated at 0939 hours and removed from the nest cavity. Senior Biologist Gallegos was out of town on business; however attending staff successfully carried out the nest relocation and data gathering. Photographs were taken of the crawl, the nest-site and the excavation. Measurements of the crawl and the nest cavity were also taken. Unfortunately, photographs of the eggs and nest relocation were not taken, as the staff focused on carrying out the proper procedures by themselves.

the lex 200 hours 20 Nest #2 (Crawl #4) was discovered on July 7, 1999, at 0100 hours, by the same permittee who reported a previous crawl. A night patrol was in progress at the time, that included Refuge Biologist Gore, Refuge SCEP Student Sara Williams and Volunteer Nancy Borton (Virginia Marine Science Museum Stranding Center). The permittee notified the night patrol of the nesting turtle soon after witnessing the female on the beach. By the time the patrol found the site at 0330 hours, the female had returned to the ocean. Biologist Gallegos responded to the cell-phone call from Biologist Gore. It appears that the night patrol missed the crawl (and female?) in the dark. Ninety-two eggs were excavated from this nest during 0430-0530 hours; they were removed from the nest cavity and relocated to the Refuge nursery from 0605-0645 hours. When light permitted, some photographs were taken. Measurements of the crawl and nest cavity were also recorded.

All excavated nests were carefully moved to a safer, "nursery" location within the Back Bay National Wildlife Refuge by Refuge biological staff, placed into predator-proof cages, and reburied.



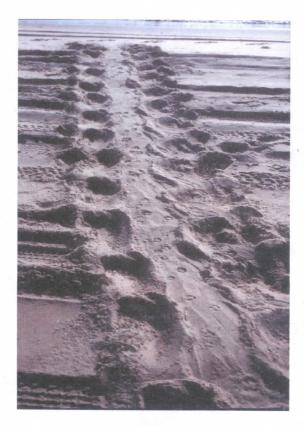
 $\underline{\text{Nest } \#1}$ - Showing location on Refuge foredune, with Refuge staff searching for nest.



 $\underline{\text{Nest } \#1}$ - Close-up of Excavated Nest Entrance



Crawl #5 - July 10, 1999 "False Nest" showing "Body Pit" with No Disturbed Sand Around It - Indicative of No Nest Excavation by Turtle.



 $\underline{\text{Crawl } \#5} \text{ - Close-up - Showing Alternate Flipper Impressions and Central Shell Drag}$



Crawl #5 - Showing Excavated Body Pit Area and No Nest



 $\underline{\text{Crawl \#6}}$ - July 10, 1999 - Showing Turtle Turn-around and Return to Ocean

Nest Relocation Data Reports are included as Appendix 1. Sea turtle nest fates for 1998 are summarized in the following table:

Table 1. 1999 LOGGERHEAD SEA TURTLE NESTING CHRONOLOGY

	T			The state of the s	<u> </u>
NEST #	DATE OF NESTING	LOCATION CODE	NUMBER OF EGGS	EXPECTED HATCH DATE	ACTUAL HATCH DATE
1	June 25, 1999	Back Bay NWR	134	Aug. 23, 1999	Aug.24-31,1999
2	July 07, 1999	False Cape State Park	92	Sept. 5, 1999	Sept.14, 1999
		Total # eggs excavated	226		

C. HATCH RESULTS

Refuge personnel excavated and relocated two loggerhead sea turtle nests during 1999. Nest success is detailed in Table 2. A total of two hundred twenty-six loggerhead sea turtle eggs were excavated and re-buried in the Refuge nursery by Refuge staff. Two hundred fifteen loggerhead hatchlings were released into the Atlantic Ocean from the Refuge beach. Refuge staff released the first set of hatchlings from the first nest during the early hours of August 24 on an outgoing high tide. Four hatchlings were transferred to the Virginia Marine Science Museum (Thomas Harder) on August 24, 1999, for scientific observations of growth rate and for public education. All hatchlings from the second nest were released a during the early morning hours of September 14.

The four hatchlings donated to the Virginia Marine Science Museum (VMSM) in 1998 were released into the Gulf Stream by the U.S. Coast Guard on October 19, 1999. Biologist Lamar Gore accompanied the VMSM biologists on the Coast Guard Cutter during the release of the much larger, one year old Loggerheads.

During the August 24-25 hatch of 122 hatchlings from Nest #1, Refuge public relations staff, visitors and a reporters from the *Virginia Pilot*, also turned out to assist with and view the hatchling release, at 0115-0200 hours. A good newspaper article with photographs appeared in the August 27th *Virginia Pilot*.

Table 3 provides an egg analysis for each nest during 1999. Soil and air temperatures were taken at the nursery site during the twice daily checks of each nest, 10-14 days prior to the expected hatch date. The average 1999 loggerhead nesting success rate was 97%. This nesting success rate was calculated based on the number of hatchlings successfully released from the two nests.

Vandalism struck the nursery site in November, prior to our excavation of the nesting containers to determine the number of unhatched eggs, and dead, unemerged hatchlings. Both cages had been dug up and removed by trespassers, and damaged in the process; since two pieces of a cage were found nearby. Neither container could be found, and are assumed stolen. Some or all of the

contents of one cage were dumped at the site, as evidenced by a pile of egg-shells and sand. Therefore, no estimate of unhatched eggs or unemerged hatchlings could be made this year.

There were no problems with red ant infestations this year, in either of the two nests. The nursery site selected this year was closely examined for ant colony presences. The presence of ant colonies is reason to disqualify a site as a turtle nursery.



<u>A Nesting Container</u> (like this one) Protects Relocated Nest/Eggs from Predators. Two of these containers were lost to vandals this year (1999).



Release of One Year Old Loggerheads into Sargassum of Gulf Stream - October 19, 1999



Released One Year Old Loggerhead



Vanishing into Sargassum of Gulf Stream

Table 2. 1999 Loggerhead Sea Turtle Nest Success Summary

Nest #	# Eggs Laid	# Eggs Hatched	# Hatchlings Released	# Unhatched Eggs	# Dead Hatchlings	Nesting Success (%)	Comments
1	134	131	127**	Unknown	Unknown	98	** Virginia Marine Science Museum received four live hatchlings on 8/24/99 for growth research and public education. 8/24-122 hatchlings emerged; 8/25-4 hatchlings; 8/27-2 hatchlings; 8/28-2 hatchlings; 8/31-1 hatchlings.
2	92	88	88	Unknown	Unknown	96	All 88 hatchlings emerged on 9/14.
Totals	226	219	215	Unknown*	Unknown*	97	

^{*} Both nest containers were vandalized and removed prior to final inspection by biologists; only two pieces of one container remained.

Table 3. 1999 Loggerhead Sea Turtle Egg Analysis Summary

Nest #	# Eggs Laid	# Eggs Hatched	# Eggs Infertile	# Eggs Predated*	# Eggs Addled	# Dead Embryos	# Unhatched Unknown	Comments
1	134	131	Unk.**	0*	Unk.**	Unk.**	3**	<u>, </u>
2	92	88	Unk.**	0*	Unk.**	Unk.**	4**	
Total	226	219	Unk.**	0*	Unk.**	Unk.**	7**	

^{*} Although the nesting containers were vandalized, predation was known to not have occurred, based on visual observations of nursery.

^{**} Disposition of unhatched eggs could not be determined due to nesting containers vandalism and theft.

D. CAPTURE RESULTS

Night-time turtle patrols are scheduled 12 to 16 days after a nest is discovered, when the nesting female usually returns to nest a second or third time. No nesting loggerhead sea turtles were captured by Refuge personnel during 1999, despite lots of effort, frustration and exhaustion.

E. STRANDING RESULTS

Refuge staff met with Mark Swingle and other staff from the Virginia Marine Science on May 28th, 1999, to coordinate data gathering and management efforts governing sea turtle and marine mammal stranding policies, again this year. Part of this session involved beginning a new policy of collecting flipper muscle tissue samples from stranded (dead) sea turtles. These samples would be later analyzed for genetic differences or similarities, for a better understanding of sea turtle population dynamics along the East Coast. Consequently, each stranded sea turtle encountered during sea turtle patrols also had a "plug" of muscle tissue removed; that was labeled and frozen, for later collection by VMSM personnel. Refuge staff were trained on how to collect the tissue sample later at the Virginia Marine Science Museum's Stranding Center. Frozen samples gathered by Back Bay NWR were later collected by Christine Trapan of the VMSM.

Refuge personnel encountered a high number of sea turtle strandings this year. All strandings had already died. Each stranding was measured, examined for injuries and spray-painted, to deter would-be shell thieves. Some turtle strandings were removed from the beach and buried on the Refuge. From June 6 to September 19, forty-nine turtle strandings were discovered: 7 on Back Bay National Wildlife Refuge, 12 on False Cape State Park, 17 in the community of Sandbridge, and 13 on the Fort Story/Atlantic Oceanfront. Forty-six were Loggerheads, one was a Leatherback, and 2 were Kemp's Ridleys. The average length of the loggerheads was 70.7 cm (Range= 28cm-112cm); the two kemp's ridleys were 23.0cm and 26.5 cm; and the leatherback was 131cm (curved shell lengths). Stranding result reports are provided to the National Marine Fisheries Service, the Virginia Institute of Marine Science, and the Virginia Marine Science Museum. Copies of 1999 Stranding Reports are included as Appendix 2.

IV. CONCLUSIONS

Virginia Beach, Virginia provides crucial nesting habitat along the northern edge of the loggerhead sea turtle nesting range. Open beaches represent the only habitat available to nesting females in this area. Annual data obtained from this study provide significant insights into the nesting sea turtle population in its northernmost range. The presence of two loggerhead turtle nests along the heavily used Virginia Beach Resort's oceanfront during 1996, emphasizes the importance of not "writing off" such public beaches by biologists. These areas should be monitored for nesting sea turtle use, if our threatened and endangered nesting sea turtle populations are to be managed seriously and efficiently. Although no nests have been discovered in this "Resort Area" since 1996, we believe that monitoring should continue, as long as offshore impacts to potential nesting Loggerhead females continues. Information gathered during the 1999 sea turtle nesting patrols should provide information about the potential effects of beach replenishment projects on sea turtle nesting in this area, and how the current construction of the sea wall at the Virginia Beach Resort Oceanfront may affect sea turtle nesting in this area.

In order to obtain a more inclusive, local, nesting sea turtle population estimate, Back Bay National Wildlife Refuge staff patrolled and surveyed public beaches for sea turtle nesting evidence, that would otherwise probably not be covered. Refuge staff have also provided training and/or information for Dam Neck Naval Base Security and Virginia Beach City "Beachscapers" personnel, in an effort to recruit additional monitoring support by those personnel most likely to encounter nesting sea turtles, and their crawls during very early morning hours.

During this year's monitoring program, two Loggerhead sea turtle nests were discovered along the Back Bay NWR - False Cape State Park ocean-front this year, and relocated to a remote nursery site on Back Bay NWR. Those nests yielded 215 Loggerhead hatchlings that were released in excellent condition shortly after emergence from the nest. Hatch and release rates were very high (95% and 97%); showing that relocations out of unsuitable beach habitats, and into more protected areas, works well in this area.

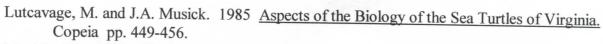
Four, one-year-old Loggerheads from a Refuge nest in 1998, were also released into the Gulf Stream by the Marine Science Museum, on October 19, 1999 in the presence of Refuge Biologist Gore. Such an introduction may give a boost to the local breeding population. In addition, during the course of the daily patrols, 49 stranded sea turtles were discovered. This data and collected tissue samples, should provide new and valuable information on sea turtle demographics and population structure along the Eastern Seaboard.

Because of the frequency of night-time turtle duties including night-patrols, hatchling releases, and one of the two nest relocations this year, we experienced a shortage of photographs for this report. We apologize for that and will try to devise a way for night-time photography (without white flashes that disorient hatchlings and adults) in the future.

V. LITERATURE CITED

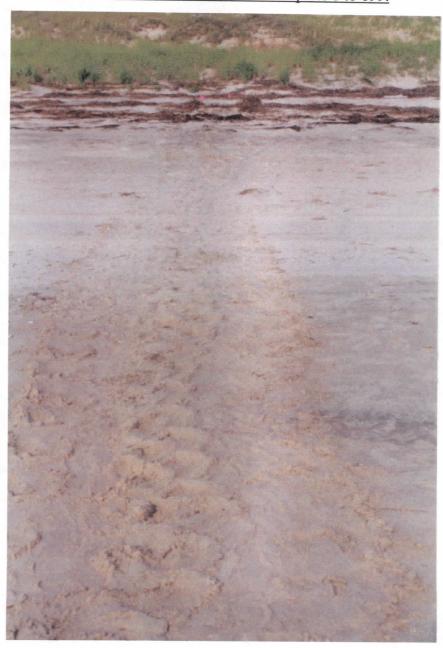
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APPENDIX 1

SEA TURTLE NEST RELOCATION DATA SHEETS



DATA SHEET FOR CRAWLS & NEST RELOCATIONS

	1. General Information (weather, time, tide level, wind speed, location, etc.) 3:30 and Refug
	10,40,000
	Date 7/7/99 Tide height high Estimated air temperature 75° Femployees for
	General weather conditions (ie. % cloud cover, rainfall) homed,
	Wind speed & direction to 10 I
	Wind speed & direction to mohe S Location of crawl (~, include markers) To False
	Cape State Park, 9 miles south of False Cape Landing Chilles South. 06 the Latitude of Crawl 36°35' 8" Longitude of Crawl 75°52'30" Refuge Beach Ramp.
	Latitude of Crawl 36°35' 8" Longitude of Crawl 75°52'30" Refuge Beach Ramp.
	, , , , , , , , , , , , , , , , , , , ,
	II. Parties Involved
	Lamar Gore and Sara Williams.
	lancy Borton (umsin strauding center)
	III. Data to be collected for Each Set of Tracks & crawl defected by Penvitee
	Direction of the control of the cont
	Crawl # (ie. 1,2,3,) Time crawl detected 1.00 another during this night but
	Track measurements: (from order of the crawl detected 1.00 avoidate 9/7/99 turfle wa
	Track measurements: (from where first visible near surf to nest site or end of crawl) missed while
	Length of incoming tracks (m) 24.9 +3.3 Length of outgoing tracks (m) 39.65 nesting.
	Width of incoming tracks (cm) 90, 95 Width of outgoing tracks (cm) 95 The feed 5
	not range
	Flipper impressions alternate or opposite <u>alt</u> Were tracks prominent? <u>Yes</u> or transduit
	Distance from center of disturbed nesting area to toe of dunes NA
	Topographical feature at end of tracks (CIRCLE area on diagram)
	Was a nest found? WS false nest? No false crawl only? NO
1	at first dig (#1) (1#2)
	dug second dug flist (#1) berm 2 1-forebeach 2-backheach 3-embryopic dupes 4 base of foredupes 5 unslope of 1st foredupe 5 top
	dug second dug first (#1)
	berm 3 3 3 5 7 9
1	I water -
RHG"	of 1st foredune,7-downslope of 1st foredune,8-foredune depression,9-upslope of 2nd foredune
Exit	HV. Data to be collected for Each Nest (measurements of nest, egg #, etc.) Original Nest Data: NEST CAVITY
EX IE	o Si janing S
Mas	TV. Data to be collected for Each Nest (measurements of nest, egg #, etc.)
270	CON CON SO 1
Jei -	
8,00	(ic. 1, 2, 5,) Or Crawiiii
0.70	Width of disturbed nesting area 13712 2.05
3.55	Width of disturbed nesting area (137 (2) 3.04 SURFACE
1107	Length of disturbed nesting area 1.8 / 6 - 1
4.00	Nest cavity width at widest pt. 22 top nest depth/ 35 cm
	Nest cavity length at longest pt. 19
	Total # eggs 92
(3)	#damaged eggs () bottom nest
	# broken or predated eggs O depth
	Temperature of soil in a control of
	Temperature of soil in nest cavity 28.
	Notes:
	2000 - a points
	were 2.4 meters with the
	we believe the turtle, was disturbed by the
	i which and durted to abandon the tirst now,

Nest	1	
Crawl	2	_

DATA SHEET FOR CRAWLS & NEST RELOCATIONS THERE

I. General Information (weather, time, tide level, wind	d speed, location, etc.)
Date <u>6-25-99</u> Tide height <u>dropping</u> Estimated a	ir temperature 75°F
General weather conditions (ie. % cloud cover, rainfall)	5% 6 (1) du (5) 0,0 U
Wind speed & direction of location of crawl (- is	nclude markers)
1.6 miles south of heach ramp, at	MINTSPINE SITE
Latitude of Crawl 36°38'41" Longitude of Crawl 75°59	4:1417
	and the same of th
II. Parties Involved	
Lamar Gore, Jason Schatti, Shannon L	lebrter
III. Data to be collected for Each Set of Tracks	
Crawl # (ie. 1,2, 3,) 2 Time crawl detected 7 :3	A Date /- 75-95
Track measurements: (from where first visible near surf to	o nest site or end of crawl)
Length of incoming tracks (m) 24.4 Length of our	
Width of incoming tracks (cm) 1.12 m. Width of outs	
112 EM	110 cm
Flipper impressions alternate or opposite alt Were tr	racks prominent?_ve5
Distance from center of disturbed nesting area to toe of du	
Topographical feature at end of tracks (CIRCLE area on d	iagram)
Was a nest found? yes false nest? no	false crawl only?
6	
	9/
berm 2 3 4	3
1-forebeach,2-backbeach,3-embryonic dunes,4-base of	
of 1st foredune,7-downslope of 1st foredune,8-foredune	depression, 3-apsiope of 2nd foreddile
IV. Data to be collected for Each Nest (measurements	of nest, egg #, etc.)
Original Nest Data:	NEST CAVITY
Nest # (ie. 1, 2, 3,) / Crawl# 2	
Time nest excavated 9:39 until 10:15	SURFACE
Width of disturbed nesting area 1.55 m.	
Length of disturbed nesting area 2.1 m	top nest depth/ 24 cm
Nest cavity width at widest pt. 38 cm.	
Nest cavity length at longest pt. 35 cm Total # eggs 134	
#damaged eggs	bottom nest 45 cm
# broken or predated eggs	depth
Temperature of soil in nest cavity 23.7 ° C	A

Notes:

APPENDIX 2

SEA TURTLE STRANDING REPORTS

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line eliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Jason A. Schaff: Address / Affiliation	99 or 75
Address / Affiliation	Stranding Date
Area Code / Phone Number Back Bay National Wildlife Refuge Plum Tree Island National Wildlife Refuge 4005 Sandpiper Road Virginia Beach, VA 23456 Turtle Numb	17571721-2412
Reliability of I.D.: (CIRCLE)	
Sex: (CIRCLE) Female Male (Positive) Speci	es Verified by State Coordinator? Yes 🗆 Nox
State County /a. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	determined?
Location (be specific and include closest town) U Mile 50	uth Sand Findre Rd.
Latitude 36.44.94" Longitude 75	° 56° 30″
Condition of Turtle (use codes) Final Disposition of	Turdo (uso soito)
Tag Number(s) (include tag return address and disposition of tag)	Torne (use codes)
Missing some head scutes, bloated missing & peeling off took of	Copper (Sout /eft)
MEASUREMENTS: CIRCLE UNITS	CODES:
Straight Length cm/in	SPECIES: CC = Loggerhead
Straight Width	CM = Green DC = Leatherback
Curved Length 922 Nuchal	EI = Hawksbill LK = Kemp's ridley
Curved Width Sy. 5 Notch	UN = Unidentified
Mark wounds, abralities,	CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only
Posterior Marginal Tip	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released

6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notice to the tip of the most erior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Jaron A. Chat	5. Stranding Date 79 - 06 - 75
Address / Affiliation Back Bay National Wildlife Refuge	Stranding Date // - 100 - 15
Plum Tree Island National Wildlife Refug-	
Area Code / Phone Numb 4005 Sandpiper Road Virginia Beach, VA 23456	17571721-2412
Aperies / /	
Religibility of LD : (Cincus)	rtle Number By Day
Positive Positive	Species Verified by State Coordinator? Yes Notice
Male Undetermined	· ·
State /	was sex determined?Photos
Location the specific	Photos
and include closest town)	
TEATIONED TO TO AND SI	1. Part
Latitude 36° 37 '3011	200152111
Condition of Turtle (use codes) Final Dispo	75°53'76"
Final Dispo	sition of Turtle (use codes)
Tag Number(s) (include tag return address and disposition of tag)	amon or forme (use codes)
and disposition of tag)	
Remarks (note if turtle was involved with tar or oil, gear or debris ento	
A ten souted peopling or Missing left real SI	Sper (front) Missing on carapace Sper Took tissue sample CODES:
MEASUREMENTS: CIRCLE UNITS	Efet look TISGE Cample
	SPECIES:
Straight Length cm/in	CC = Loggerhead
Straight Width cm/in	CM = Green DC = Leatherback
cm/in	El = Hawksbill
	thal LK = Kemp's ridley The UN = Unidentified
Curved Width 67 / cm/in	
	CONDITION OF TURTLE: 0 = Alive
	\ l = Fresh dead
	2 = Moderately decomposed
Mark wounds,	3 = Severely decomposed 4 = Dried carcass
ind strings	5 = Skeleton, bones only
cations	FINAL DISPOSITION OF TURTLE:
	1 = Painted, left on beach
	2 = Buried: on beach / off beach
	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior Marginal Tip	5 = Unpainted, left on beach

6 = Alive, released

Back Bay National Wildlife Refuge Sea Turtle Stranding Report

Fort Story, Resort Strip, and Croatan Beach

Date 12-25-99	
Turtle # By Day Z	
Observer's Full Name Charles have	<i>'}-</i> ~
	11/20
Location 15th Straut on 1250	or conten comment
- nause - 6410	
Species 00	
Condition	/ / // / / /
Remarks no operious Lounds	19 Marila
- SONYS MINION OF BOINT	E de land Variati
Thosass wandered as	TO A CONTRACTOR
- 1 19 1 3 1 WALLES (W.)	CH CLASICS
Curred I	
Curved Length (cm)	
Curved Width (cm)	
<i>.</i>	
Willed in	
man (
	CODES:
Nuchal S Notch	PECIES:
The state of the s	CC = Loggerhead
165 V	CM = Green
	DC = Leatherback
	El = Hawksbill
	LK = Kemp's ridley UN = Unidentified
HAND EL STATE OF THE STATE OF T	Ol4 - Ollidentified
	ONDITION OF TURTLE:
3 4	0 = .Alive
3 3	l = Fresh dead
Turk of 1	2 = Moderately decomposed
	J = Severely decomposed
	4 = Dried carcass
	5 = Skeleton, bones only
Posterior	
Marginal Tip	

mark Swingle called 6/25/99.
of VA Beach removed the turtle
e beach before the strancling center
collect data chas transcribed contents Back Bay National Wildlife Refuge data onto Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach Sent it to Turtle # By Day Observer's Full Name Location Species Condition Remarks Curved Length (cm) Curved Width (cm) CODES: Nuchal SPECIES: CC = Loggerhead CM = Green DC = Leatherback El = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive1 = Fresh dead ら 2 = Moderately decomposed 3 = Severely decomposed

Posterior Marginal Tip

4 = Dried carcass

5 = Skeleton, bones only

2112, 51 5151 112 131 14	th at the widest noise	isure length from the cant	below. Measurements may be straigned of the nuchal north to the tip of the UNITS USED. See diagram below, f	
bserver's Full Name WS			Stranding Date 79 - 00 - 3	35
ddress / Affiliation <u>Back Ba</u>	,	life Refuge, 4005 S	Sandpiper Rd., VA Beach, VA 2	3456
ea Code / Phone Number <u>(7</u>	757) 721-2412			
ecies <u>CC</u>		Turrie Number	By Day	
liability of I.D.: (CIRCLE) Un:	sure Probable		Verified by State Coordinator? Yes□	N
v. (Cipci =) = = = = = = = = = = = = = = = = = =				
V/A	Undetermined	How was sex d	sort beach at Oceanfro	
::e	Count	y VIT Dellinh		\
erian (be specific and include o	closest town)	the stroot on re-	sort beach but liceastro	tric
*				
tude		. ,		
		Longitude		1
dition of Turtle (use codes)		_ Final Disposition of Tu	unte (use codes) <u>Smaledan</u>	<u> </u>
r(s) (include tag return	addr ess and dispo	sition of tag)	M	
		, , ,		
and a present a rest committee of	on pock it necessor	Y	wounds or mutilations, propoilor dans (wapace, vight his	o /1
scales and scitts n				
		- Michien, Thataer	COOES:	
EASUREMENTS: CIRCLE UNITS	60	tes, scales	SPECIES:	
raight Length	cm/in	(Missing	CC = Loggerhead CM = Green	
raight Width	/:		DC = Leatherback	
101	- cm/in, / (No. 1	EI = Hawksbill LK = Kemp's ridley	
rved length	<u>cm</u> /in	Nuchal	UN = Unidentified	
rved Width	consin /		CONDITION OF TURTLE:	
ds, notions day, day, day, day, day, day, day, day,	Lexil Control of the second of	130mp	0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off b	e a ch
E ·	VINDE	XXI TIMBLE	3 = Salvaged specimen: all /	

4 = Pulled up on beach or dune

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be strought line and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the hip of the most or marginal. Measure width at the widest point of carapace, CIRCLE THE UNITS USED, See diagram below, Please a specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. Address / Affiliation -(757) 721-2412 Area Code / Phone Number . __ Turtle Number By Day __ Species -Species Verified by State Coardinator? Yes 🗆 No 🗹 Positive Probable / Reliability of LD.: (CIRCLE) Unsure How was sex determined? _ Undetermined Female Male Sex: (CIRCLE) County Location (be specific and include clasest town) _ Longitude . _ Final Disposition of Turtle (use codes) _ Condition of Turtle (use codes) -Number(s) (include tag return address and disposition of tag) = Remarks (note if turtle was involved with tar or all, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary CODES: SPECIES: MEASUREMENTS:_CIRCLE UNITS CC = Loggerhead CM = Green _ cm/in DC = Leatherback Straight Length El = Hawksbill LK = Kemp's ridley cm/in Straight Width UN = Unidentified Notch Curved Length CONDITION OF TURTLE 0 = Alive Curved Width 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed A = Dried carcass 5_= Skeleton, bones only ark wounds, FINAL DISPOSITION OF TURTLE: normalities. 1 = Painted, left on beach nd tag locations 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released Posterior 7' = Alive, taken to a holding facility

Marginal Tip -

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (control and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most print marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

	an at in
Observer's Full Name Wistopher Wicker Strandin	g Date
Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper	Rd, VA. Beach, VA. 23456
Area Code / Phone Number	
SpeciesTurtle Number By Day	
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by	State Coordinator? Yes 🗆 No 🗹
Sex: (CIRCLE) Female Male Undetermined How was sex determined? State County A BOCK Location (be specific and include closest town) 5000 mile Mark Mark Mark BOCK BOAN WIR Latitude 360407 M7 1 Longitude 75054 5 Condition of Turtle (use codes) Final Disposition of Turtle (use codes) 10000 miles and disposition of tag 10000 miles and	from in
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds of papillomas, epizoa, etc.) continue on back if necessary The HITHE & LENGTE TO COMPOSED WITH ANALYSE AND JOHN FRONT FLORES THE BIND FORES AT CONTROLS AT	hate layer exposed ace are marry long
MEASUREMENTS: CIRCLE UNITS SPECIES	i: = Loggerhead
Straight Length CM/ III	= Green = Leatherback
Straight Width cm/in / LK	= Hawksbill = Kamp's ridley
Curved Length Andrew	= Unidentified TION OF TURTLE:
Curved Width	= Alive = Fresh dead
2	 Moderately decomposed Severely decomposed
	= Dried carcass = Skeleton, bones only
primalities,	DISPOSITION OF TURTLE:
tag locations	= Painted, left ombeach = Buried: on beach / off beach
ZINE 3	= Salvaged specimen: all / part = Pulled up on beach or dune
Posterier Manual 5	= Unpainted, left on beach = Alive, released
Marginal Tip	"= Alive, taken to a holding facility

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (cross) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the tip of the most print of marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please gives specific location description. INCLUDE LATITUDE AND LONGITUDE.

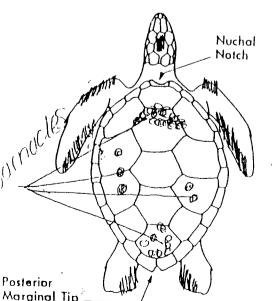
proper marginal. Ma	rasure width at the widest point of a description. INCLUDE LATITUDE	carapaca, CIRCLE THE C AND LONGITUDE.	JAMES GREEK SOCIAL PROPERTY OF THE PROPERTY OF
	- · · · · · · · · · · · · · · · · · · ·		Stranding Data
Observer's Full Name_	Junistophor Nicke	/ .	Stranding Dule year manm day
Address / Affiliation	Back Bay National Wildlif	e Refuge, 4005 San	dpiper Rd, VA. Beach, VA. 23456
Area Code / Phone N	(757) 721-2412		i
Species		Turtle Number By	Day
	LE) Unsure Probable		rrified by State Coordinator? Yesロ No선
Sex: (CIRCLE) Femo	ale Male Undetermined	How was sex defi	ermined?
State	County _	VA MARCO	1 1 00 2000
Location (be specific at	nd include clasest town) 17/18	40000 300	med the following
read ha	15 banoning op	12 An GTURD)	oriche Approximately 3 miles of 07:11 Control of 1000 Approximately 3 miles of 07:11 Control of 1000 Approximately 3 miles of 1000 Approximately 4 miles of
latitude 36	ज्मित्रो ५८ ॥	ongitude 75°5	6,0+1) 1211, 22 CD1001,2
Condition of Tirele (use	codes	Final Disposition of Tur	the (use codes)) (im)
- Condition of Forme (as		1 /m	O .
Tan lumber(s) (include	tag return address and disposition	an of its;	
Remarks (note if turtle)	was involved with tar or oil, gear of c.) continue on back if necessary	debris entanglement,	wounds or mutilations, propellor damage,
The Hinds	is maderately plan	and and se	Storeta decomposat
The Action	ingly oxticay uf	bar bow	Thinneys.
1,11 [1/2]	in the strong of	THEORY I TO THE	() ()
			CODES:
MEASUREMENTS:_C	IRCLE UNITS	, ,	SPECIES:
Straight Length	cm/in	SKeleton CAL	CM = Green DC = Leatherback
Straight Width	cm/in	A i/	EI = Hawksbill
	1700 cm/in	Nuchal Notch	LK = Kemp's ridley UN = Unidentified
. ,		Note	CONDITION OF TURTLE:
Curved Width:	cm) in		- 0 = Alive 1 = Fresh dead
-			2 = Moderately decomposed 3 = Severely decomposed
			4 = Dried carcass 5 = Skeleton, bones only
wounds, rmalities,			
tag locations			FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach
	TO COMMEDIA	2 Rindowy	2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part
	Misorolf &	Jun	4 = Pulled up on beach or dune 5 = Unpainted, left on beach
	Marginal Tip		6 = Alive, released 7 = Alive, taken to a holding facility
1 '	· · · · · · · · · · · · · · · · · · ·	7 7	/ = Mire, ideals is a line -

Back Bay National Wildlife Refuge Sea Turtle Stranding Report

Fort Story, Resort Strip, and Croatan Beach

Date 6 12-99
Turtle # By Day 1
Observer's Full Name Chais Wicker
Location 1 pile east of cape Henry
heach entrance at Fort Story
Species CC
Condition 2
Remarks no obvious wonds, Some barnacles
on carapace and head, feelings out scales

• \ /_	
Curved Width (cm)	70



CODES:

SPECIES:

CC = loggerhead

CM = Green

DC = leatherback

El = Hawksbill

LK = Kemp's ridley

UN = Unidentified

CONDITION OF TURTLE:

0 = Alive

1 = Fresh dead

2 = Moderately decomposed

3 = Severely decomposed

4 = Dried carcass

5 = Skeleton, bones only

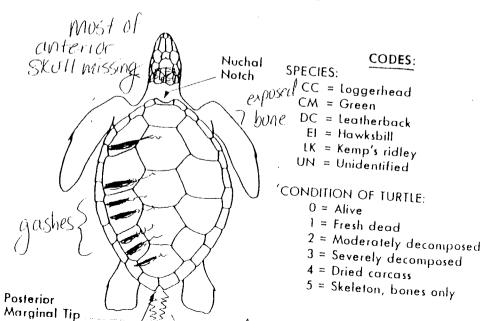
Back Bay National Wildlife Refuge Sea Turtle Stranding Report

Fort Story, Resort Strip, and Croatan Beach

Date 6/13/99
Turtle # By Day 01
Observer's Full Name Jasan Schatti
Location Ruclee Inlet, VB, VR

Species DC
Condition 2-3
Remarks On 6/13, Jurtle was Still (loating),
Measurements taken on 6/14 when
Turtle washed up un beach

Curved Length (cm) 131
Curved Width (cm) 113



PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (c) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the hip of the most power marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

give a specific location description. INCLUDE LATITUDE AND LONGITUDE.	
Observer's Full Name Same T. Williams	Stranding Date $\frac{41 - 66 - 16}{\frac{1}{1000}}$
Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sand	lpiper Rd, VA. Beach, VA. 23456
Area Code / Phone Number (757) 721-2412	
SpeciesTurtle Number By (Day Ol
Species	iffed by State Coordinator? Yes D. No.P.
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Ver	med by cra
Sex: (CIRCLE) Female Male Undetermined How was sex deter	rmined:
StateCounty	1 ni 6 ni = 0 i/o =
State County Cou	1. 10 e 120 -20 121 125
north of sayloridas Market Rohthol house	2 # AUIA IN NOLLNEWACIED
North of Scholoridge Market Rohinol house latitude 36 45 16 15 Longitude 75 5	614611
Condition of Turtle (use codes) Final Disposition of Turtle	e (use codes)
To ember(s) (include tag return address and disposition of tag)	
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, we papillomas, epizoa, etc.) continue on back if necessary Alck is brated, no injuries, harnac trok muscle sample from from	les on shell
3	CODES:
MEASUREMENTS: CIRCLE UNITS	SPECIES: CC = Loggerhead
Straight Length cm/in	CM = Green DC = Leatherback
Straight Width cm/in	- FI = Hawksbill
Nuchal Nuchal	LK = Kemp's ridley UN = Unidentified
Curved Length TWO 70 cmy in Notch	CONDITION OF TURTLE:
Curved Width: Emilin	- 0 = Alive 1 = Freshidead
	2 = Moderately decomposed
	3 = Severely decomposed 4 = Dried carcass
k wounds,	5_= Skeleton, bones only
ormalities, and tag locations	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach
and leg locations	2 = Buried: on beach / off beach
	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
	5 = Unpointed, lett on deach A = Alive released
Posterior Marginal Tip	7 = Alive, taken to a holding facility

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line or and/or over the curve (tape measure). Measure length from the center of the nuchal north to the tip of the most or marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams	Stranding Date 99-06-17
Address / Affiliation Back Bay National Wildlife Refuge, 4005 San	
Area Code / Phone Number(757) 721-2412	
SpeciesTurtle Number By	Day 0/
	rified by State Coordinator? Yes No P
Sex: (CIRCLE) Female Male Underermined How was sex dete	
State Virginia County to Virginia	Reach -
Location (be specific and include closest town) OF Borrier O	+ Little elstonal lity
Latitude 36 41 181) Longitude 7505	Lelanol)
Latitude 36 41 (6)) Longitude 75 5	5.10.
Condition of Turtle (use codes)	te (use codes) and 4
Tac Number(s) (include tag return address and disposition of tag)	
	"Instrumental and a second sec
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, y papillomas, epizoa, etc.) continue on back if necessary	
front right and back mant flume	es no damagaci
Measurements facer over barracles. Bloom	ted body Muscle
sample tales from front left fapper	
MEASUREMENTS:_CIRCLE UNITS	SPECIES:
Straight Length cm/in	CC = Loggerhead CM = Green
Straight Width cm/in	DC = Leatherback EI = Hawksbill
1.4 Nuchal	LK = Kemp's ridley UN = Unidentified
Curved Length cm in Notch	CONDITION OF TURTLE:
Curved Width: (cm)/in	- 0 = Alive
Mil Social Miles	1 = Fresh dead Sim 2 = Moderately decomposed
	3 = Severely decomposed 4 = Dried carcass
Mark wounds,	5_= Skeleton, bones anly
tag locations	FINAL DISPOSITION OF TURTLE:
barracles (1 = Painted, left on beach 2 = Buried: on beach / off beach
missing	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior	5 = Unpainted, left on beach 6 = Alive, released
Marginal Tip	7'= All a taken to a holding facility

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be stroight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace, CIRCLE THE UNITS USED. See diagram below, Please specific location description, INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams	_Stranding Date <u> </u>
Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sa	year manin day
Area Code / Phone Number(757) 721-2412	
SpeciesTurtle Number B	y Day
	erified by State Coordinator? Yes 🗆 No 💆
Sex: (CIRCLE) Female Male Undetermined How was sex det	ermined?
State County Miguia	Beach.
Location (be specific and include clasest town) 50 meters of and False Cape State Parks barder,	South of BBNILUR
Latitude 36° 37' 50" Longitude 75°	r
Condition of Turtle (use codes) Final Disposition of Turt	•
Tag Number(s) (include tag return address and disposition of tag)	
Remarks (note if turtle was involved with tar or all, gear or debris entanglement,	wounds or mutilations, propellor damage,
Applications, epizod, etc.) continue on back if necessary	-
Ribs are protincing through skin on decomposition. Front left flipper	is uticcion all other
limbs perfectly in tack	13 1012311111 , all 01110
MEASUREMENTS: CIRCLE UNITS	CODES:
Straight Length cm/in	SPECIES: CC = Loggerhead
Straight Mr. III	CM = Green DC = Leatherback
Curred least (29 C) Nuchal	EI = Hawksbill LK = Kamp's ridley UN = Unidentified
Noteh	CONDITION OF TURTLE:
Curved Widthdm) in	- 0 = Alive
	1 = Fresh dead 2 = Moderately decomposed
Mark	3 = Severely decomposed4 = Dried carcass
Mark wounds, at malities,	5_= Skeleton, bones anly
a locations A amacies	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach
	2 = Buriedt on beach / off beach 3 = Salvaged speciment all / part
	4 = Pulled up on beach or dune 5 = Unpainted, left on beach
Posterier Marginal Tip	6 = Alive, released 7 = Alive, taken to a holding facility

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (reliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below, Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. WILLIAMS Stranding Date 99-06-18
Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456
Area Code / Phane Number
SpeciesTurtle Number By Day
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes 🗆 Na 🗀
Sex: (CIRCLE) Female Male Underermined How was sex determined?
State VA County Virginia Beach
Location (be specific and include closest town) County Francisco County F
of Condbridge first after Tung Lang, UB, Vit
Lamrude 36.43.251) Longitude 75.56,1911
Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) Removed by U.S.
Tag Number(s) (include tag return address and disposition of tag)
Remarks (note if turtle was involved with tar or ail, gear or debris entanglement, wounds or mutilations, propellar damage, papillomas, epizoa, etc.) continue on back if necessary
Blood dipping from morth body is bloated
Blood dripping from morth, body is bloated Scale missing from top of head and costal
Scutes of carapaco, TOOK muscu survere minutes
MEASUREMENTS: CIRCLE UNITS SPECIES:
Straight Length - CM = Green
DC = Leatherback EI = Hawksbill
Curved Length 59 cm/n Nuchal Notch LK = Kemp's ridley UN = Unidentified
CONDITION OF TURTLE:
1 = Fresh dead
2 = Moderately decomposed 3 = Severely decomposed
Mark wounds, A = Dried carcass 5_= Skeleton, bones anly
normalities, diag locations 1 = Painted, left on beach
Scales 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part
4 = Pulled up on beach or dune 5 = Unpainted, left on beach
Posterior Marginal Tip Posterior Alive taken to a holding facility

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most esterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED, See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name T. Williams Stranding Date 99-06-18 Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 Area Code / Phone Number _____(757) 721-2412 Turtle Number By Day 03 Reliability of I.D.: (CIRCLE) Unsure Probable (Positive Species Verified by State Coordinator? Yes D No. Sex: (CIRCLE) Female Male Virginia Reach from 2765 (Seni ocean Condition of Turtle (use codes) Final Disposition of Turtle (use codes) Tag Number(s) (include tag return address and disposition of tag) _ Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, barnacles on still scales missing on neck MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length _ ____ cm/in CC = Loggemead CM = Green DC = Leatherback El = Hawksbill LK = Kemp's ridley Nuchal UN = Unidentified Notch Curved Width -CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds, 4 = Dried carcass bnormalities, 5 = Skeleton, bones only Barnacke xations FINAL DISPOSITION OF TURTLE: icale 1 = Painted, left on beach 2 = Buried: on beach / off beach MISSE hg 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

5 = Unpainted, left on beach

6 = Alive, released

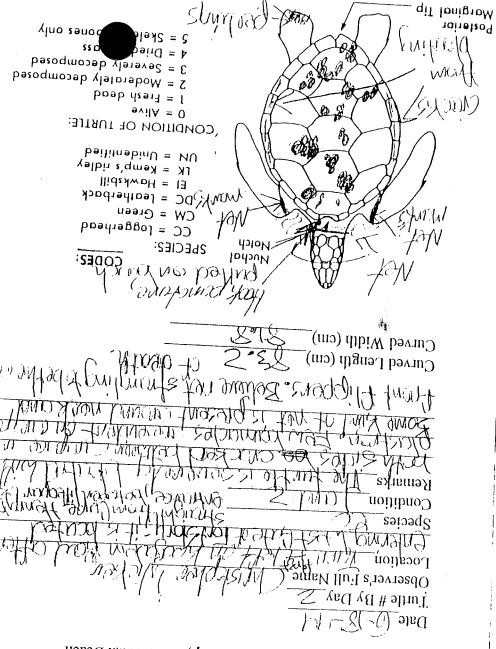
Posterior

Marginal Tip.

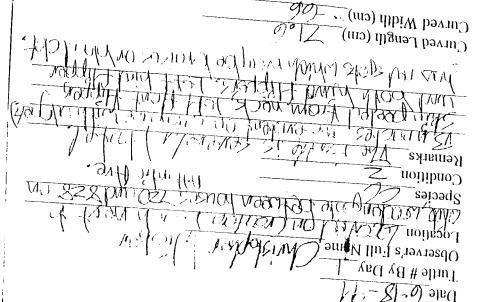
PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most prior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name. Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 Area Code / Phone Number (757) 721-2412 Species_ __ Turtle Number By Day_ Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes 🗆 No 🗆 Sex: (CIRCLE) Female Male Location (be specific and include clasest town) Condition of Turtle (use codes) _ __ Final Disposition of Turtle (use codes) __ Tag Number(s) (include tag return address and disposition of tag) _ Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length CC = Loggerhead CM = Green Straight Width . DC = Leatherback El = Hawksbill Curved Longth 77,5 LX = Kemp's ridley Nuchal UN = Unidentified Notch. Purved Width CONDITION OF TURTLE: 0 = Alive 1 = Fresh-dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds, 4 = Dried carcass salities, 5_= Skeleton, bones only ocations FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 12 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune Posterior 5 = Unpainted, left on beach Marginal Tip

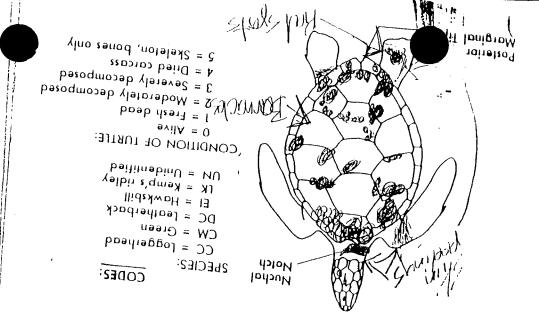
6 = Alive, released

Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach



Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach





Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach

Date $6-99-99$
Turtle # By Day Oct / / / /
Observer's Full Name WISTORION A STORY
Location It is word of the same of the sam
Storte D. The recent horse
Species
Condition
Remarks The forth 12, 40,000 1 10- 111
no devices much forthe sides a morked
THE COM CHIMING AND OF KIND IN
plooting that it trouble to the
absent may be due to history
Curved Length (cm) 17/02
Curved Width (cm)
Δ.
Nuchal CODES:
SPECIES:
CC = Loggerhead CM = Green DC = Leatherback
CM = Green DC = Leatherback
El = Hawksbill
LK = Kemp's ridley
UN = Unidentified
CONDITION OF TURTLE:
0 = Alive
1 = Fresh dead 2 = Moderately desarran
2 = Moderately decomposed 3 = Severely decomposed
AGUA 4 = Dried carcass

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (piper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most prior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Jason A. Schaffi	Stranding Date 19 -46 - 19
Address / Affiliation Back Bay National Wildlife Refuge, 4005 S	
Area Code / Phone Number(757) 721-2412	
SpeciesTurtle Number	By Day
Paliability of LD Voingues	Verified by State Coordinator? Yes 🗆 No 🔀
Sex: (CIRCLE) Female Male Undetermined How was sex d	
State 1/2 County 1/2 Feach	
Location (be specific and include closest town) JEAN Line De	red a food of
- 2584 Scartfold/er Poj. = 1/4 mile	
Latitude 36° 43' 25 " N Longitude 75° 3	56-14" W
Condition of Turtle (use codes) $\frac{1-2}{5}$ $\frac{5}{5}$ Final Disposition of Tu	rrie (use codes)
Tag Number(s) (include tag return address and disposition of tag)	
	<u> </u>
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, papillamas, epizoa, etc.) continue on back if necessary No okulous worked as that wipht law, cod, work a little of a looked to have fook a tissue sawfile from the first front	keen picked at.
MEASUREMENTS:_CIRCLE UNITS	CODES:
Straight Length cm/in	SPECIES: CC = Loggerhead
Straight Width cm/in	CM = Green DC = Leatherback
Curved Length 57.5 Nuchal	EI = Hawksbill LX = Kemp's ridley UN = Unidentified
Curved Width 32 cm) n	CONDITION OF TURTLE:
Mark wounds, complities,	 1 = Fresh-dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones anly
Pasterior Marginal Tip	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released

SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be stroight line per) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 Area Code / Phone Number (757) 721-2412Species __ _____Turtle Number By Day_ Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes 🗆 No 🗹 Sex: (CIRCLE) Female Indetermined How was sex determined? _ Соипту Location (be specific and include clasest town) 750 521 303 Condition of Turtle (use codes) Final Disposition of Turtle (use codes) Fag. Number(s) (include tag return address and disposition of tag) _ Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillamas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS SPECIES: CC = Loggerhead CM = Green Straight Width DC = Leatherback El = Hawksbill Curved Langth LK = Kamp's ridley UN = Unidentified Notch Curved Width CONDITION OF TURTLE: 0 = Alive 1 = Fresh-dead 2 = Moderately decomposed 3 =Severely decomposed 4 = Dried carcass wounds. ilities, 5_= Skeleton, bones only locations FINAL DISPOSITION OF TURTLE: I = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

5 = Unpainted, left on beach

6 = Alive released

Postarior

Marginal

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be stroight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most erior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE. T. Williams Stranding Date DB - 06 - 22 Observer's Full Name_ Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456 Area Code / Phone Number ____ (757) 721-2412Species ____ ____ Turtle Number By Day_ Reliability of I.D.: (CIRCLE) Unsure Probable Pasitive Species Verified by State Coordinator? Yes O No Sex: (CIRCLE) Female Undetermined How was sex determined? . County ____ Location (be specific and include closest town) Condition of Turtle (use codes) _ ———— Final Disposition of Turtle (use codes) — Tag Number(s) (include tag return address and disposition of tag) = Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary taken over bainagles. Barnades on shall. opn from in areas tron left IP ON OVER! MEASUREMENTS: CIRCLE UNITS CODES: bainceles SPECIES: Straight Length CC = Loggerhead CM = Green Straight Width DC = leatherback El = Hawksbill LX = Kemp's ridley Nuchai UN = Unidentified Notch CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds, 4 = Dried carcass abnos 5 = Skeletan, bones aniy colines, FINAL DISPOSITION OF TURTLE 1 = Painted, left on beach 2 = Buried: an beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune Posterior 5 = Unpainted, left on beach

6 = Alive, released

Marginal Tip.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most verior marginal. Measure width at the widest point of carapace, CIRCLE THE UNITS USED. See diagram below, Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Please
Observer's Full Name Cara T. Williams
Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456
Area Code / Phone Number (757) 721-2412
Species C C
Reliability of I.D.: (CIRCLE) Unsure Probable (Basis)
Sex: (CIRCLE) - Species Verified by State Coordinator? Yes Take
State VA
Location the results
Location (be specific and include closest town) In False Cope State Park
Latitude 36° 35 > 45) Longitude 72° 52 > 45) Condition of Turtle (use soil 10 of 1
Condition of Turtle (use codes) A Condition of Turtle (use codes) Final Disposition of Turtle (use codes)
ag Number(s) (include tag return final Disposition of Turtle (use codes)
ag Number(s) (include tag return address and disposition of tag) Nüt toas
emarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, apillomas, epizoa, etc.) continue on back if necessary (MUSCLE Sample Faxon from 14f front Ll. page)
Some harnacles were left on for carapace measurements When scraping harnacles of carapace, scutor Pulled away easily expering home first. Carapace is beginning to lose its structure. MEASUREMENTS: CIRCLE UNITS
MEASUPENEDITE OF THE STRUCTURE
irraight length
traight Width cm/in Cm/i
urved Length OO (cm/in Nuchal LK = Kemp's ridley Crowned ou
word Width One Structe
CONDITION OF TURTLE: CUAS 18000
1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carross
cations 5_= Skeleton, bones anly
FINAL DISPOSITION OF TURTLE
FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: an beach / off beach 3 = Salvaged specimen: all / part
Pasterior Marginal Tip Pasterior A = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive released

6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below, Please specific location description. INCLUDE LATITUDE AND LONGITUDE

Observer's Full Name Lamar Gore + Shannan Lehrte	Stranding Date 77 - 6 - 23
Address / Affiliation Back Bay National Wildlife Refuge,	
Area Code / Phone Number	
Species Loggeshead CC Turtle	Number By Day
Reliability of L.D.: (CIRCLE) Unsure Probable Positive	Species Verified by State Coordinator? Yes 🗆 No 🗓
	as sex determined?
State Virginia County Virgini	a Beach
Location (be specific and include clasest town) Sand Bridg	e (North End) 2324
Sandfiddler Rd., UB, UA. above	+ 500 yds South of 5 turns
Latitude 56 75 16 11 Longitude	75 56° 50°°
Condition of Turtle (use codes) Final Dispositi	on of Turtle (use codes)
Tag Number(s) (include tag return address and disposition of tag)	no tag
papillomas, epizoa, etc.) continue on back if necessary Many barracles right flipper At Many hipper Taken	(half mixing)
MEASUREMENTS: CIRCLE UNITS	CODES
Straight Length cm/in	SPECIES: CC = Loggerhead
S. C. L. Martin	CM = Green DC = Leatherback
	EI = Howksbill LK = Kemp's ridley
Note	
Curved Width cmy in	CONDITION OF TURTLE:
	1 = Fresh dead 2 = Moderately decomposed
	3 = Severely decomposed 4 = Dried carcass
Mark wounds, a malities,	5 = Skeleton, bones only
g locations	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach
	2 = Buried: on beach / off beach
Posterior	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach

6 = Alive, released

7 = Alive taken in a halding facility

Posterior.

Marginal Tip.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most prior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamar Gare + Shanna (alas)	
Observer's Full Name Lamar Gore + Shannon Lehrter Address / Affiliation Back Bay National Wildlife Refuge, 400	Stranding Date 2 - 23 - 99 Sandpiper Rd, VA. Beach. VA. 23456
Area Code / Phone Number (757) 721-2412	
Species Leggenhead CCTurtle Num	nber By Day 2
Reliability of LD (CIRCLE)	cies Verified by State Coordinator? Yes 🗆 Not
Sex: (CIRCLE) Famola 14	ex determined?
State Virginia County Vinginia	
Location (be specific and include closest town) Back Bary NW	d diameter
300 m. from North barren	C NORTH MILE
Latitude 36°41'78" Longitude 75	-0 551 AC)
Condition of Turtle (use codes)/ Final Disposition o	f Turrile (use codes)
Tag Number(s) (include tag return address and disposition of tag)	no tag
-	
Remarks (note if turtle was involved with tar or oil, gear or debris entanglemorphilomas, epizoa, etc.) continue on back if necessary	
Alot of burne cles all own twitle include	ding had and flipping
MEASUREMENTS: CIRCLE UNITS	7 CODES:
	SPECIES:
Straight Length cm/in	CC = Loggerhead CM = Green
Straight Width	DC = Leatherback
Streight Width cm/in	EI = Hawksbill
Curved Length 665 (cm/in Nuchal	LK = Kemp's ridley
Notch	UN = Unidentified
Curved Width 102.5 cm/in	CONDITION OF TURTLE:
	0 = Alive
	1 = Fresh dead
	2 = Moderately decomposed
Mark wounds	3 = Severely decomposed 4 = Dried carcass
	5 = Skeleton, bones only
a malities,	5 - Okcieron, bones anty
g locations	FINAL DISPOSITION OF TURTLE
	1 = Painted, left on beach
	2 = Buried: on beach / off beach
	3 = Salvaged specimen; all / part
	4 = Pulled up on beach or dune
Postonia I I A I I	5 = Unpointed left on basel

6 = Alive, released

7 = Alive taken to a holding facility

Marginal Tip _

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamar Gole + Shannon Lehrter	Stranding Date
Address / Affiliation Back Bay National Wildlife Refuge, 4005	Sandpiper Rd, VA. Beach, VA. 2345
Area Code / Phone Number(757) 721-2412	2545
Species Laggerhead CC Turtle Number	er By Day 3
Paliability of LD (CDC)	
Sex: (CIRCIE) Famela	es Verified by State Coordinator? Yes Na
State Virginia County Virginia B	
Location (be specific and include closest town) Ball Bay NWR	1 miles South Ad
Beach ramp	mile sparn sq
Latitude 36640' 2371 Longitude 750	545143
Condition of Turtle (use codes) 3 Final Disposition of 1	
Tag Number(s) (include tag return address and disposition of tag)	
papillomas, epizoa, etc.) continue on back if necessary Ton decomposed for muscle Sample Bo	nes showing through
MEACUREMENTS CONTRACTOR	CODES
MEASUREMENTS: CIRCLE UNITS	SPECIES:
Straight Length cm/in	CC = Loggerhead CM = Green
Straight Width cm/in	DC = Leatherback EI = Hawksbill
Curved Length 61 Cm/in Nuchal Notch	LK = Kemp's ridley UN = Unidentified
Curved Width 510 cm/in	CONDITION OF TURTLE:
	0 = Alive
Missing alliared this area	1 = Fresh dead 2 = Moderately decomposed
Mark Scules in	3 = Severely decomposed 4 = Dried carcass
Mark wounds,	5 = Skeleton, bones only
locations	FINAL DISPOSITION OF TURTLE:
	1 = Painted, left on beach
	2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part
	4 = Pulled up on beach or dune 5 = Unpainted, left on beach
Posterior	J Unpainted, lett on heach

6 = Alive, released

Marginal Tip.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED, S

Observer's Full Name Larnar Gave + Shannon Landress / Affiliation Back Bay National Wildlife Refu	cheter Stranding Date 12 - 22 - 80
Address / Affiliation Back Bay National Wildlife Refu	ige, 4005 Sandpiper Rd. VA. Beach VA. 22/5
Area Code / Phone Number(757) 721-2412	raped me, van Beden, van 1945
Species Loggenhead	urtle Number By Day 4
Reliability of I.D.: (CIRCLE) Unsure Probable Positives	
Sex: (CIRCLE) Female Male Undetermined Ho	w was sex determined?
State Virginia County Virgi	nia Beach
Location (be specific and include closest town) Back Ba	Y NWR Imples South of
blach ramo	
Latitude _ 36°38 \ 4811 Longitude	. 75°53'50"
Condition of Turtle (use codes) <u>3</u> Final Disp	position of Turtle (use codes)
Tag Number(s) (include tag return address and disposition of tag	
- and anaposition of tag	
Remarks (note if turtle was involved with tar or oil, gear or debris en papillomas, epizoa, etc.) continue on back if necessary Head missing	ntanglement, wounds or mutilations, propellor damage,
	-
MEASUREMENTS: CIRCLE UNITS	SPECIES:
Straight Length cm/in	CC = Loggerhead CM = Green
Straight Width cm/in	DC = Leatherback El = Hawksbill
	Nuchal LK = Kemp's ridley Notch UN = Unidentified
Curved Width _68.5 cm)in	CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed
Mark wounds,	4 = Dried carcass 5 = Skeleton becomes

ag locations

Posterior

Marginal Tip.

FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: an beach / off beach

3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

5 = Unpainted, left on beach 6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal north to the tip of the most perior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamar Gore + Shannon Lehry	or said by the
Address / Affiliation Back Bay National Wildlife Refuge, 4005	Sandpiper Rd, VA. Beach WA 22/5
Area Code / Phone Number(757) 721-2412	
Species Leggenhead CC Turtle Numb	per By Day 5
Reliability of LD (CIRCLE)	
Sex: (CIRCLE) Female 44.1	ies Verified by State Coordinator? Yes 🗆 No 🔀
State Virginia B	anch
Location (be specific and include closest town) Faise Care S	
North of North Carolina Barder	take fack 15 miles
Latitude 36° 35° 417) Longitude 75	1.57.3511
Condition of Turtle (use codes)	,
Tag Number(s) (include tag return address and disposition of tag)	furtie (use codes)
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary	nt, wounds or mutilations, propelles de
Bones showing on head, left flipper miss	ing
MEASUREMENTS: CIRCLE UNITS	CODES: -
Straight Length cm/in	SPECIES: CC = Loggerhead
	CM = Green
Straight Width cm/in	DC = Leatherback
	El = Howksbill
Curved Length 70,5 cm/ln Nuchal	LK = Kemp's ridley UN = Unidentified
Curved Width 75	ON - Gildentified
cm/n	CONDITION OF TURTLE:
	0 = Alive
- / / / / / / / / / / / / / / / / / / /	1 = Fresh dead
	2 = Moderately decomposed
	3 = Severely decomposed
Mark wounds, about malities,	4 = Dried carcass
continues,	5 = Skeleton, bones only
	FINAL DISPOSITION OF TURTLE
	1 = Painted, left on beach
$\backslash \searrow ,_{-a}$	2 = Buried: on beach / off beach
	3 = Salvaged specimen: all / part
	4 = Pulled up on beach or dune
Posterior	5 = Unpainted, left on beach
Marginal Tip	6 = Alive, released

7 = 410.2 +-1.--

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most erior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

TO STATE TO SECTION OF THE PROPERTY OF THE PRO	E.
Observer's Full Name Lama Gore + Shannan Cehrton Address / Affiliation Back Bay National Hildlife Ref.	Stranding Data 99 - 6' - 23
Address / Affiliation Back Bay National Wildlife Refuge, 4005	Sandpiper Rd. VA. Beach VA 22/50
Area Code / Phone Number(757) 721-2412	, sar 20den, va. 23436
Species Laggerhead CC Turtle Numb	ner By Day
Reliability of LD (CIRCLE)	es Verified by State Coordinator? Yes No
Sex: (CIRCLE) Female Male Undetermined How was sex	d-4
State Virginia County Virginia E	Beach
Location (be specific and include closest town) Sand Bridge (Sandfiddler Rd., UB, UA. about 5 Latitude 36°451/611 Longitude 75 Condition of Turtle (use codes) Final Disposition of	(North End) 2324
Janafiddler Rd., UB, UA. about 5	500 yds Satt of 5 time
Longitude 75	36.20°
Condition of Turtle (use codes) Final Disposition of	Turtle (use codes)
Tag Number(s) (include tag return address and disposition of tag)	tag
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary	
At Man Aliger Taken right flipper (ha	If missing)
1 Jaken	
MEASUREMENTS: CIRCLE UNITS	CODES
Straight Length cm/in	SPECIES: CC = Loggerhead
3.11/111	CM = Green
Straight Width cm/in	DC = Leatherback EI = Hawksbill
Curved Length 6 Cm/Jin Nuchal	LK = Kemp's ridley
Curved Width 73	UN = Unidentified
cm) in	CONDITION OF TURTLE:
	0 = Alive - 1 = Fresh dead
	2 = Moderately decomposed
	3 = Severely decomposed
Mark wounds,	4 = Dried carcass
aboutines,	5 = Skeleton, bones only
locations	FINAL DISPOSITION OF TURTLE
	1 = Painted, left on beach
	2 = Buried: on beach / off beach
012	3 = Salvaged specimen: all / part
Posterior	4 = Pulled up on beach or dune 5 = Unpainted, left on beach

6 = Alive, released

7 = Alive, taken to a holding facility

Marginal Tip.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line per) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most riar marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams + Shannon L	chaterson in Day in - 24 - co
Address / Affiliation BBNWR , 4005 Sau	dpiper Rd Virginia heach
Area Code / Phone Number 757 721 @341	2 2345
Species hoggenheadTurtle	Number By Day
Reliability of I.D.: (CIRCLE) Unsure Probable Positive	Species Verified by State Coordinator? Yes□ No☑
	vas sex determined?
State VA County Virginia	Beach
Location (be specific and include closest town) 3384 Sand f	iddler Road 65 Mileconth
of bittle Istand City Park	
Latitude	2015
Condition of Turtle (use codes) 2-3 Final Disposit	ion of Turtle (use codes)
Tac Number(s) (include tag return address and disposition of tag) _	
Remarks (note if turtle was involved with tar or oil, gear or debris entant papillomas, epizoa, etc.) continue on back if necessary Elippers and head missing, home exposed, - Missing All scutes except for Cad	front left humerus bone
MEASUREMENTS: CIRCLE UNITS	SPECIES:
Straight Length cm/in	CC = Loggerhead
Straight Width cm/in	CM = Green DC = Leatherback
Curved Length 78 Price Nucl	
Curved Width 89 Emilin	CONDITION OF TURTLE:
	0 = Alive 1 = Fresh dead
	2 = Moderately decomposed
Mod wounds, wissing the wounds,	3 = Severely decomposed 4 = Dried carcass
a nalities,	5 = Skeletan, bones anly
al g locations	FINAL DISPOSITION OF TURTLE:
8h tact	1 = Painted, left on beach 2 = Buried: on beach / off beach
	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior	5 = Unpainted, left on beach

6 = Alive, released

Marginal Tip .

Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach

Dale 16-24-09

Turtle # By Day

Location Dett. 2001 | Amore Child | Amore School Condition | Species | Chronolos School School | Amore School School School School School School School School | Amore School School



Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach

Dale 6/23/99

Turtle # By Day 1

Docation ** / wife eart Fort Story Officers

Species (K

Condition 7

Remarks A 144/2 blooded the Kinterwood Front Story

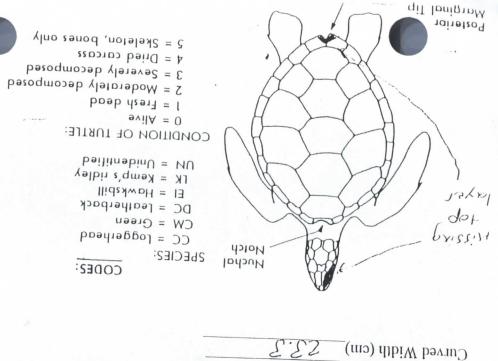
Remarks A 144/2 blooded the Story

Remarks A 144/2 blooded the Story

Semants of Source The Story

Stor

Curved Length (cm)



PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagr

	E. E. CHITT USED, See diagram below, Please
Observer's Full Name Sara T-Williams Shannen Address / Affiliation Back Bay Nat' / Wilder Re Area Code / Phase Number (757) 221 2012	lehrter ag or ov
Address / Affiliation Back Bay Nat' / Wilder De	A Stranding Date 11 - 00 - 24
Area Code / Phone Number (757) 721-2412	H Beach, UA 33456
SpeciesTurtle Numb	ar By Day UQ
Reliability of LD.: (CiRCLE)	
Sex: (CIRCLE) Female Mail	es Verified by State Coordinator? Yes 🗆 No 😌
State VA County VB	determined?
Location (be specific and include closest town) 300 Soul Ac	dder Rd 118 110
- 075 miles n de Little Islan	d City Dack
Latitude	0 4 5 9 9 7 1
Condition of Turtle (use codes) Final Disposition of T	
Tag Number(s) (include tag return address and disposition of tag) <u>No</u>	tog 5
many barnacles on shell some on Scales of flippers missing neck is s Muscle sample removed from front left flip	lightly bloated
MEASUREMENTS: CIRCLE LINITS	COORS O
Straight Length CM/in	SPECIES: OVE/ boungely CC = Loggerhead
Straight Length cm/in Straight Width _	CM = Green DC = Leatherback
Curved Length 68:5	EI = Hawksbill LK = Kemp's ridley
Curved Wideh 193 5	UN = Unidentified
cmyin	CONDITION OF TURTLE: 0 = Alive
	1 = Fresh dead 2 = Moderately decomposed
Mari wounds,	3 = Severely decomposed 4 = Dried carcass
alties, alocations	5 = Skeleton, bones only
Barracles 6	FINAL DISPOSITION OF TURTLE:
	2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part
Posterior Marginal Tip	4 = Pulled up on beach or dune 5 = Unpainted, left on beach 6 = Alive, released

PRINT CLEARLY AND FILMIN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (a part of the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most point or marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

TO TOWN WILLIAM PORTON	
Coserver's Full Name Sarat Williams + Shannon 1	Aneyer simpling some 6 - 211 as
Address / Affiliation Back Bay National Wildlife Area Code / Phone Number (757) 721-2417	Refuse 4005 gandpipes RA
Area Code / Phone Number (757) 721-2412	VA Beach. VA 23456
Species Languechand	le Number By Day 3
Reliability of I.D.: (CIRCLE) Unsure Probable (Positive)	
Sex: (CIRCLE) Farrole Mail	Species Verified by State Coordinator? Yes No No No No Sex determined?
State VA County Vicginia	
Beach VA (At bend in Rd on north	desiddler and Vicainia
LatitudeLongitude	75° 57 '03"
Condition of Fundance of the state of the st	ition of Turtle (use codes)
ber(s) (include tag return address and disposition of tag) _	
emarks (note if turtle was involved with tar or oil, gear or debris enta apillomas, epizoa, etc.) continue on back if necessary	nglement, wounds or mutilations, propellor damage.
7	
taxen from front left flippen dec	amposition, muscle sample
MEASUREMENTS: CIRCLE UNITS	CODES:
Straight Length cm/in	SPECIES: CC = Loggerhead
	CM = Green DC = Leatherback
Straight Width cm/in	EI = Hawksbill
Curved Length 66 cm/n Nuc	that LX = Xemp's ridley
No	i i i i i i i i i i i i i i i i i i i
Curved Width 67.5 cm/in	CONDITION OF TURTLE:
	0 = Alive
	1 = Fresh dead
	2 = Moderately decomposed
	3 = Severely decomposed
M punds,	4 = Dried carcass
ab Jalines,	5 = Skeleton, bones anly
and tag locations	FINAL DISPOSITION OF TURTLE:
	I = Painted, left on beach
	2 = Buried; on beach / off beach

Posterior

3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

5 = Unpainted, left on beach

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliber) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Saca Williams	
Observer's Full Name Sara Williams, James Goldmeyer, Sh	annon Lehrter Stranding Date 10 - 24 - 99
"Address / Affiliation Back D. 1200 1100 Co.	10000 DA 1000 manim day
Address / Affiliation Back Bay NWR 4005 San	apiper Ra, VH Beach, UA 23456
Area Code / Phone Number (757) 721-9	2410
137) 7al	<u> </u>
Species Langerhead	
Species Laggerhead	Turtle Number By Day
Religibility of LD (CIRCLE)	
Reliability of I.D.: (CIRCLE) Unsure Probable Positive	> Species Verified by State Coordinater? Yes II No V
Sex: (CIRCLE) Female Male Undetermined H	
remale Male Undetermined H	ow was sex determined?
State VA County Vicgin	va Brach
location the area in	
Location (be specific and include closest town) Back Bay	NWR 2.3 miles north of
Back Bay NEWR 1 - 1 - 2	7 - 0 1
Back Bay NWR / False Cape State	tark border
360391294	7-9
Latitude 36°39'394 Longitud	<u> 75°54.76 11</u>
Condition of Turtle (use codes) Final Dis	position of Turtle (use codes) 14
fag Number(s) (include tag return address and disposition of tag	1) No tago
2 3	
*	
Remarks (note if turtle was involved with tar or oil, gear or debris e papillomas, epizoa, etc.) continue on back if necessary	
papillomas, epizoa, etc.) continue on back if necessary	ntanglement, wounds or mutilations, propellor damage,
to the committee of back it necessary	
Scales missing where barnastes located	
TOTALED TOTALED	
MEASUREMENTS: CIRCLE UNITS	CODES:
CIRCLE UNITS	SPECIES:
Straight Langet	CC = Loggerhead
Straight Length cm/in	CM = Green
Same to Marchi	DC = Leatherback
Straight Width cm/in	El = Hawksbill
67.0	, , , , , , , , , , , , , , , , , , ,
Curved Length 57.0 cm)in	rochdi
626	Notch UN = Unidentified
Curved Width 53,5	CONDITION OF TURTLE:
	0 = Alive
	1 = Fresh dead
	2 = Moderately decomposed
1 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 = Severely decomposed
/// >	4 = Dried carcass
Mack wounds,	5 = Skeletan, bones only
nalities,	S - Skeleidit, Bones dniy
g locations	FINAL DISPOSITION OF TURTLE
	تر FINAL DISPOSITION OF TORTLE:
BAY	i si – rumed, lett on beach
The state of the s	12 = Buried: on beach / off beach

5 = Unpainted, left on beach

6 = Alive, released

Posterior

Marginal Tip

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (sper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most for marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams, James Goldman	yer Shannon Lehit Stranding Date (0 - 24 - 99
Observer's Full Name Sara Williams, James Goldmannes Address / Affiliation Back Bay NYR 4005 Se	andpiper Rd. VA Beach, VA 2345
Area Code / Phone Number (757) 721-	2412
	_ Turtle Number By Day5
Reliability of I.D.: (CIRCLE) Unsure Probable Positi	
Sex: (CIRCLE) Female Male Undetermined	How was sex determined?
State County Virg	
Location (be specific and include closest town) Back Back	
Back Bay NWR / False cape	State Park horder
Latitude 360 39 108)1 Longit	75°54'04")
Condition of Turtle (use codes) Final	
Tag Number(s) (include tag return address and its viv	Alo +- a
Tag lumber(s) (include tag return address and disposition of	rag) AD Tago
head slightly decomposal	
MEASUREMENTS: CIRCLE UNITS	CODES:
	SPECIES: CC = Loggerhead
Straight Length cm/in	CM = Green DC = Leatherback
Straight Width cm/in	El = Hawksbill
Curved Length LeA cm/in	Nuchal LK = Kemp's ridley UN = Unidentified
Curved Width 65 cmjin	CONDITION OF TURTLE:
18	0 = Alive 1 = Fresh dead
1 Roso #	2 = Moderately decomposed
Mai wounds.	3 = Severely decomposed 4 = Dried carcass
a nalities,	5 = Skeleton, bones only
an ag locations	FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach
8	2 = Buried: on beach / off beach
	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior Marginal Tip	5 = Unpainted, left on beach 6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line er) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most or marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams; James Goldmeyer, Shannon Lehrter Stranding Date 6 - 3	
	24 - 99
Address / Affiliation Back Boy NWR, 4005 Sandpiper Rd, VA Beach VA a	
Area Code / Phone Number 757 721 34 24 2	
Species Loggenhead Turtle Number By Day 10	
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator?	Yes Not
Sex: (CIRCLE) Female Male Undetermined Haw was sex determined?	
State VA County Virginia Beach	
Location (be specific and include closest town) Backet Fake Cape State Park	, 1.1
miles south of False Cape Landing Beach entrance	
Latitude 75° 35' 35' Longitude 75° 52' 35"	
Condition of Turtle (use codes) = Final Disposition of Turtle (use codes)	·
Tag Number(s) (include tag return address and disposition of tag) No tag	
	•
bonen exposed on front flippers, bones of head exposed, back right missing and intestines coming out.	
MEASUREMENTS: CIRCLE UNITS CODES:	
CC = Loggerhead	
CM = Greens and DC = Legtherback	
Straight Width cm/in EI = Hawksbill 3	
Curved Length Cm_n Notch UN = Unidentified	
Curved Width 45 cm/in CONDITION OF TURTLE: 0 = Alive	
1 = Fresh dead	
2 = Moderately, decomposed as Severely decomp	
wounds, analyties.	У
an agliocations FINAL DISPOSITION OF TUR	
= Painted, left on beautiful and the second	
2 = Buried: on beach / 3 = Salvaged specimen	

6 = Alive; released

為子。 Posterior

Marginal Tip

er) and/or over the curve (tape measure marginal. Measure width at the was specific location description. INCLU	L APPLICABLE BLANKS. Use codes below. Measurements may be straight line sure). Measure length from the center of the nuchal notch to the tip of the most widest point of carapace. CIRCLE THE UNITS USED, See diagram below. Please DE LATITUDE AND LONGITUDE.
Observer's Full Name Jaron	A. Schatti Stranding Date 99 - 06 - 25
Address / Affiliation	Proje D
Area Code / Phone Number	Phum Tree Island National Wildlife Refuge Phum Tree Island National Wildlife Refuge 4005 Sandpiper Road Virginia B. Virginia B.
Species	Virginia Beach, VA 23456 Turtle Number By Day
Reliability of I.D.: (CIRCLE) Unsure Pr	robable Positive Species Verified by State Coordinator? Yes No Z
Sex: (CIRCLE) Female Male (Und	letermined How was sex determined?
State //A	County /a. Practo Photos
	n) 1614 Sandfiddler .5 miles
Jouth 5	Sandbridge Rd.
Latitude 36° 44'23"	Longitude 75° 56 '30 "
Condition of Turtle (use codes)	Final Disposition of Turtle (use codes) Allad To Cazd
iag Number(s) (include tag return address	and disposition of tag) PFSSQ637 NMFS Lab FL 37419 RR SSR334
Remarks (note if turtle was involved with tar or papillomas, epizoa, etc.) continue on back if	oil, gear or debris entanglement, wounds or mutilations, propellor damage, necessary
Most all scuter	Missing, Head missing Right front & I. A.
Missing recove	missing, Head missing Right front Stippe ered tags & tissue sample
MEASUREMENTS: CIRCLE UNITS	7 CODES:
	SPECIES: CC = Loggerhead
Straight Length cm/in	CM = Green DC = Leatherback
Straight Width cm/in	EI = Hawksbill
Curved Length 66.5 cm/in	Nuchal Notch Nuchal LK = Kemp's ridley UN = Unidentified
Curved Length 66.3 cm/in Curved Width 66 cm/in Mark wounds,	Nuchal LK = Kemp's ridley

Marginal Tip _

5 = Unpainted, left on beach

Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach

Date 7-9-99
Turtle # By Day /
Observer's Full Name Christopher Licker
Location On Cravan Beach nehind a house =
TOO AHRAMIC Ave.
Species Of
Condition Z
Remarks Had left front Hopen and trant and
Compare Missing - possible propollow hit
tell scides present on contrace, most
bonos exposed en carapace, must proton
missing. could measured and the width.
Curved Length (cm)
Curved Width (cm)
Nushal species:
Notch CC = Loggerhead
DOWN CM = Green
DC = Leatherback EI = Hawksbill
EI = Hawksbill LK = Kemp's ridley
EI = Hawksbill
EI = Hawksbill LK = Kemp's ridley UN = Unidentified
EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive
EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead
EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed
EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass
EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most rior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name Address / Affiliation Duck The Will Area Code / Phone Number _ Species_ _____Turtle Number By Day _ Reliability of I.D.: (CIRCLE) Unsure Probable / Positive Species Verified by State Coordinator? Yes No Z Sex: (CIRCLE) Female Male How was sexidetermined? _ _ County Photos Location (be specific and include closest town) Condition of Turtle (use codes) -_ Final Disposition of Turtle (use codes) _ Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length CC = Loggerhead NOON CM = Green DC = Leatherback Straight Width El = Hawksbill LK = Kemp's ridley Curved Length _ Muchal UN = Unidentified Curved Width _ CONDITION OF TURTLE: 0 = Alive1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds, 4 = Dried carcass 5 = Skeleton, bones only malities, locations FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune 5 = Unpainted, left on beach Posterior

6 = Alive, released

7 = Alive taken to a holding facility

Marginal Tip_

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamain Caro	·
Address / Affiliation	Stranding Date GG - A - A - A - A - A - A - A - A - A
Area Code / Phone Number 157 721-747	
Species LOGORChood	
Reliability of I.D.: (CIRCLE)	umber By Day
Sex: (CIRCLE) = So	recies Verified by State Coordinator? Yes 🗆 No 🔯
See A How was	sex determined?
Location (be specific and in the specific and	Beach Photos
Location (be specific and include closest town) 3.5 miles	North of NC torder
Latitude 360 351 3511	56 521 3711
Condition of Turtle (use codes)	50 5213711
Tindi Disposition	of Turtle (use codes)
Tag Number(s) (include tag return address and disposition of tag)	
Ramada (
Remarks (note if turtle was involved with tar or oil, gear or debris entanglen papillomas, epizoa, etc.) continue on back if necessary Domarile NE NOWE Aamage	nent, wounds or mutilations, propellor damage,
MEASUREMENTS, CIRCLE III	
MEASUREMENTS: CIRCLE UNITS	SPECIES: CODES:
Bernal 2	CC = Loggerhead CM = Green
STORY STORY	DC = Leatherback El = Hawksbill
Curved Length 68 cm in Notch	LK = Kemp's ridley UN = Unidentified
Curved Width cm/in	CONDITION OF TURTLE:
	0 = Alive 1 = Fresh dead
	2 = Moderately decomposed 3 = Severely decomposed
Mark wounds, abnormalities,	4 = Dried carcass 5 = Skeleton, bones only
and occations	FINAL DISPOSITION OF TURTLE:
OCCURSION STATE OF THE PARTY OF	1 = Painted, left on beach 2 = Burind; on beach / off beach
	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior Marginal Tip	5 = Unpainted, left on beach 6 = Alive, released

7 = Alive taken to a hald: - com.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliner) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most per marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams	Stranding Date 99 - 07 - 16
Address / Affiliation	year manth day
Area Code / Phase National Wildlife Refuge Plum Tree Island National Wildlife Refugs	
A C	
Species Turtle Number	By Day O
Reliability of I.D.: (CIRCLE)	Verified by State Coordinator? Yes□ Not
Sex: (CIRCLE) Famole Hall	
State V#	0 - 1
County VIIGITIA	
ocation (be specific and include closest town) 3112 Sandpiper	- Rd VB, VF
NOOM Nof S-turns)	
atirode 36645) 2011 Longitude 7505	6'50"
ondition of Turtle (use codes) Final Disposition of Tur	Un Called City
Number(s) (include tag return address and disposition of tag)	tags
To the disposition of rag)	
emarks (note if turtle was involved with tar or oil, gear or debris entanglement, apillomas, epizoa, etc.) continue on back if necessary Measurements Costal Scutes and flesh on upper 1/3	wounds brimutilations, propellor damage, taken over-barnacles. of carapacease
Slaughing off exposing ribs underneath 7	Flesh on skull is
absent. Weck has deamposed greatly, app	rears 3x 5 the normal SIZE
MEASUREMENTS: CIRCLE UNITS	CODES: (bloated &
Straight Lengthcm/in	SPECIES: CC = Loggerhead flattened
Straight Width cm/in 3 2 nock	CM = Green Front /eff
70 = Znech	El = Hawksbill LK = Kemp's ridley UN = Unidentified FIPPER removal
- D. Notch	UN = Unidentified 1 emoved.
Curved Width 70 cmyin	CONDITION OF TURTLE:
	0 = Alive 1 = Fresh dead
	2 = Moderately decomposed
Mark wounds,	3 = Severely decomposed 4 = Dried carcass
bn ities,	5 = Skeleton, bones only
Mark wounds, bn lities, nd cations Marginal Posterior Marginal Tip	FINAL DISPOSITION OF TURTLE:
scutes y	1 = Painted, left on beach2 = Buried: on beach / off beach
illed awalt	3 = Salvaged specimen: all / part
Posterior Posterior	4 = Pulled up on beach or dune 5 = Unpainted, left on beach
Marginal Tip	6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliner) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most pr marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE. Observer's Full Name \(\) Stranding Qate Address / Affiliation Back Bay National Wildlife Refuge Plum Tree Island National Wildlife Refug-Area Code / Phone Number 4005 Sandpiper Road Virginia Beach, VA 23455 _Turtle Number By Day _ Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes□ No□ Sex: (CIRCLE) Female Male <u>Undetermined</u> How was sex determined? _ County Location (be specific and include closest town) Condition of Turtle (use codes) -_ Final Disposition of Turtle (use codes) _ ag Number(s) (include tag return address and disposition of tag) _ Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, capillomas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length CC = Loggerhead CM = Green Straight Width _ DC = Leatherback El = Hawksbill Curved length . LK = Kemp's ridley Nuchal UN = Unidentified **Notch** Curved Width CONDITION OF TURTLE: 0 = Alive1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass Mark wounds, 5 = Skeleton, bones only ndt lities, FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

5 = Unpainted, left on beach

6 = Alive, released

Posterior

Marginal Tip_

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliner) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most or marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please specific location description. INCLUDE LATITUDE AND LONGITUDE. Stranding Qate Address / Affiliation Sack Bay National Wildlife Refuge Plum Tree Island National Wildlife Refur. Area Code / Phone Number 4005 Sandpiper Road OPORI Virginia Beach, VA 23456 Turtle Number By Day. Reliability of I.D.: (CIRCLE) Unsure Probable Positive] Species Verified by State Coordinator? Yes□ No□ Sex: (CIRCLE) Female Male Undetermined How was sex determined? _ Beac Location (be specific and include closest town) Longitude . Condition of Turtle (use codes) . __ Final Disposition of Turtle (use codes) __ ag Number(s) (include tag return address and disposition of tag) lemarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, apillomas, epizoa, etc.) continue on back if necessary MEASUREMENTS: CIRCLE UNITS CODES: SPECIES: Straight Length CC = Loggerhead ____ cm/in CM = Green Straight Width _ DC = Leatherback El = Hawksbill Curved Length LK = Kemp's ridley Nuchal cm/ 'UN = Unidentified Notch Curved Width Em/in CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed Mark wounds. 4 = Dried carcass bna lities, 5 = Skeleton, bones only cations FINAL DISPOSITION OF TURTLE: I = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part

Posterior

Marginal Tip -

4 = Pulled up on beach or dune

5 = Unpainted, left on beach

6 = Alive, released

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (per) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most ior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below, Please specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name hy Standar 12000	
Address / Affiliation Back Bay National Wildlife Refu	Stranding Date
Area Code / Phone Number 4005 Sandpiper Road	ge Lefug:
Virginia Boock, VA 22456	
SpeciesTurtle Num	1
Reliability of I.D.: (CIRCLE) Unsura Bull II	. P. 10-11-1
Sex: (CIRCLE) Female Mala	cies Verified by State Coordinator? Yes No 2
State County A Rec	1/1/2
Location (be specific and include closest town)	Photos
10160 = 2233 Santfilder Rt. 5.6 miles	the Berich behind of
Latitude 36°451 Longitude 75	05(1201)
Condition of Turtle (use codes) Final Disposition o	17 11 1
Tag Number(s) (in the last of	Turne (use codes)
Tag Number(s) (include tag return address and disposition of tag)	
Remarks (note if turtle was involved with tar or oil, gear or debris entanglem papillomas, epizoa, etc.) continue on back if necessary,	
papillomas, epizoa, etc.) continue on back if necessary	ent, wounds or mutilations, propellor damage,
	1 101
and have the transfer of	tesice. HI Hindis
and nead are mussing. Tenes of a	1070000 CIMO DO
TWO IMIC	nipose and playtran
Me Scills are missing. We	jasurement net takén che
MEASUREMENTS: CIRCLE UNITS	SPECIES: CODES: Decomposition
Straight Length cm/in	CC = Loggerhead Shi
Straight Width cm/in	CM = Green DC = Leatherback
	El = Hawksbill
Curved Length cm/in Nuchal Notch	LK = Kemp's ridley UN = Unidentified
Curved Width cm/in	CONDITION OF TURTLE:
monthement	0 = Alive 1 = Fresh dead
and John Marie Mar	2 = Moderately decomposed
ADI ICIPIEN	3 = Severely decomposed
Mark wounds,	4 = Dried carcass
ab lities,	5 = Skeleton, bones only
an locations MANN	FINAL DISPOSITION OF TURTLE:
	1 = Painted, left on beach
and the second	2 = Buried: on beach / off beach
Lane seme -	3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune
Posterior (NI)	5 = Unpainted, left on beach
Land We Marginal Tip	6 = Alive, released

Back Bay National Wildlife Refuge Sea Turtle Stranding Report Fort Story, Resort Strip, and Croatan Beach

Dale 8/4/99
Turtle# By Day 1

Observer's Full Name Jason Location 30 2 St. Confront

Remarks Almost all scutes missing, head condition

Curved Length (cm) 75.8cm Curved Width (cm) 75.6cm

Marginal Tin Posterior Lino sanod 4 = Dried carcass 3 = Severely decomposed z = Moderately decomposed] = Eresh dead 9vilA = 0CONDITION OF TURTLE: bailitnabinU = NU LK = Kemp's ridley El = Hawkspill DC = featherback CM = Green CC = roaderhead Notch **2**bECIE2: Nuchal CODE2:

GiT IonigroM Posterior 2 = Skeleton, bones only 4 = Dried carcass (Accompayua) 3 = Severely decomposed 2 = Moderately decomposed J = Fresh dead 9vilA = 0(andrin) CONDITION OF TURTLE: baititnabinU = NU LK = Kemp's ridley EI = Hawkspill DC = reatherback CW = Green CC = roaderhead Nochal Notch **2**bECIE2: CODES Curved Width (cm)_ Curved Length (cm)_

Fort Story, Resort Strip, and Croatan Beach

Sea Turtle Stranding Report

Back Bay National Wildlife Refuge

Condition

Observer's Full Mame_

Dale 17-31-6{/ Turile # By Day 1

Species

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most erior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Conserver's Full Name Langer D. GOR Stranding Date 99 - 8 - 9 Address / Affiliation Back Bay NWL Area Code / Phone Number 757 - 721 - 2+12 Species Lagger head Turtle Number By Day Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes No	Observer's Full Name Lamar B. Gore	\sim \sim \sim \sim
Species Lagger had Turtle Number By Day Reliability of L.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes I No Sex: (CIRCLE) Female Male Indetermined How was sex determined? State VIGAINA County VIGAINA BEACH Photos Location (be specific and include clasest town) Location (be specific and include clasest town) Latitude 30°36'21 Longitude 75°52*55 Candition of Turtle (use cades) Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propeilor damage papillamas, epizoa, etc.) continue on back if necessary All Lambor myssing from turtle informal organs hanging and the straight Length Curved Length Curved Length Curved Width Curved Width Mark wounds, Cabornative of the plantage of the propeid of tag of the width of the plantage of the	Address / Affiliation Back Bay NWR	Stranding Date 1 - 0 - /
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes No. 1 No. 2 No.	Area Code / Phone Number 757-1721-2412	
Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes No. 1 No. 2 No.	Species Logger head	
Sex: (CIRCLE) Female Male Andermined Modelermined? State Virginia Beach Photos Location (be specific and include closest town) Location (because of an action closest town) Location (because	Reliability of LD - (CIPCLE)	
State I GAINIA County VICAINIA BEACH Photos Location (be specific and include clasest town) False Cape State for K > 1.8 mules Aputh of Back Bay border (South Border) Latitude 36°36'21 Longitude 75°52'55 Condition of Turtle (use codes) Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage popillomas, epizoa, etc.) continue on back if necessary All Lumbs measured from turtle internal organs hanging out to permane of the plantrom Straight Length Cmyin Curved Length Curved Length Curved Width Curved Width Mark wounds, absorbins Mark wounds, glocations	Sex: (CIRCLE) Female Male Undetermined	
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Longitude 75 52 55 Condition of Turtle (use codes) Final Disposition of Turtle (use codes) Tag Number(s) (include tag return address and disposition of tag) Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellar damage papillomas, epizoa, etc.) continue on back if necessary All lumba mysering from turtle informal or gars hanging out the pastron. MEASUREMENTS: CIRCLE UNITS Straight Length cm/in Curved Length Time of the pastron. Curved Width Time of the pastron. Mark wounds, absorbed a Skeleton, bones only	Douth of Back Bay boardon (Saus	the Bonda
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Straight Length Curved Length Curved Width Curved Width Curved Width Mark wounds, absormalities, SPECIES: CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill LK = Kemp's ridley UN = Unidentified CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only	MEASUREMENTS: CIRCLE UNITS	
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Curved Width CONDITION OF TURTLE: 0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only	Curved Length 50 Ruche	al LK = Kemp's ridley
Mark wounds, absormalities, 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only	Currend Middle	
1 = Painted, left on beach 2 = Buried: on beach / off beach	Mark wounds, absormalities, absormalities, also also also also also also also also	0 = Alive 1 = Fresh dead 2 = Moderately decomposed 3 = Severely decomposed 4 = Dried carcass 5 = Skeleton, bones only FINAL DISPOSITION OF TURTLE: 1 = Painted, left on beach 2 = Buried: on beach / off beach 3 = Salvaged specimen: all / part 4 = Pulled up on beach or dune

6 = Alive, released

7 = Alive taken to a holding facility.

Marginal Tip_

Back Bay National Wildlife Refuge Sea Turtle Stranding Report

Fort Story, Resort Strip, and Croatan Beach

Date 5-12 CO
Turtle # By Day 1
Observer's Full Name William Control of the Control
Location Entitude of Hannonmass In Vic
MATTONIC HIR TOWN HID STONE ON TO SUCCE.
Species W www. of Burn
Condition Z
Remarks Scrobs mission from And Strates
peeked @ nock and Alprons & Skillson and
pones, lose to comprise preside occurred
O right side behind trent therein
Curved Length (cm) 65-6
Curved Width (cm)
All the same of th
4 utos seales
MIGHT SPECIES: CODES:
North Steelest
CC = Loggerhead CM = Green
DC = Leatherback
EI = Hawksbill
LK = Kemp's ridley UN = Unidentified
014 - Unidentified
CONDITION OF TURTLE:
A Pleato = Alive
OND 1 = Fresh dead SIN 2 = Moderately decomposed
1 A A A A A A A A A A A A A A A A A A A
W' 4 = Dried carcass
COSE 5 = Skeleton, bones only
Posterior 17
Marginal Tip FONES EXPLOY
p.

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most verior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please

a specific location description. INCLUDE LATITUDE AND LONGITU	LE THE UNITS USED. See diagram below. Please DE.
Observer's Full Name Jason Schatti + Lamar C	C2
Address / Affiliation Back Bay NWR	Stranding Date 1 - 7 - /
Area Code / Phone Number 757-721-2 417	
Species Lagger head Sea Turtle Turtle Num Reliability of LD - (CIRCLE)	
Inches	
Sex: (CIRCLE) Female Male	ties Verified by State Coordinator? Yes□ No□
State UA County Virginia Bed	x determined?
Location (be specific and include closest town) Sandbridge,	Photos
Farbour's Hill at False Cape State Pas	1 miles north of
Latitude 36° 37 '41" Longitude 75°	
Condition of Total	· · · · · · · · · · · · · · · · · · ·
Tag Number(s) (include tag return address and disposition of tag)	Turtle (use codes)/
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Remarks (note if turtle was involved with tar or oil	
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement papillomas, epizoa, etc.) continue on back if necessary	nt, wounds or mutilations, propellor damage,
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Contract Contract	E 0 11 1 1 11/5 -
1 SCM . Kight lieper is cut of (but her	ledover at the claw- Looks like li
CINCLE UNITS	SPECIES: CODES: Gooth in the
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Straight Width cm/in	CC = Loggerhead CM = Green DC = Leatherback EI = Hawksbill
Curved Length 1 2 Emy in Nuchal Notch	LK = Kemp's ridley figher taken. UN = Unidentified
Em) in	CONDITION OF TURTLE:
Bornacle	0 = Alive 1 = Fresh dead
Mark wounds,	2 = Moderately decomposed 3 = Severely decomposed
bnormalities,	4 = Dried carcass 5 = Skeleton, bones only
nd peations	FINAL DISPOSITION OF TURTLE.
	1 = Painted, left on beach 2 = Buried: on beach / off beach
	4 = Pulled up an beach or dues
Posterior Marginal Tip	5 = Unpainted, left on beach

6 = Alive, released $7 = \Delta lives$

Marginal Tip.

APPENDIX 3

RECEIPTS FOR SEA TURTLE TRANSFERS

Loggerhead Sea Turtle Program

Back Bay National Wildlife Refuge

I Thomas Harder a re	presentative of UMS M
(Va Marina Paris 11	. 1
acknowledge receipt of Loggerhead turtle nestlings on	the date of AUS. 544. 1999 (2:00
from Back Bay NWR for the purposes of research	- STAP / CAM
·	

BACK BAY NATIONAL WILDLIFE REFUGE LOGGERHEAD SEA TURTLE PROGRAM RECEIPT

I. Christina Trapan, a representative of VMSM	
acknowledge receipt of samples of loggerhead sea turtle flipper tissue on 12 Octoboods. 1999 from Back Bay National Wildlife Refuge, 4005 Sandpiper Road, Virginia Beach. Virginia 23456 (telephone: 757-721-2412), for the purposes of research	:-
(Signed)	